Oil, Paint and Drug Reporter

The Chemical Market Authority Since 1871

Volume 151 No. 7 February 17, 1947

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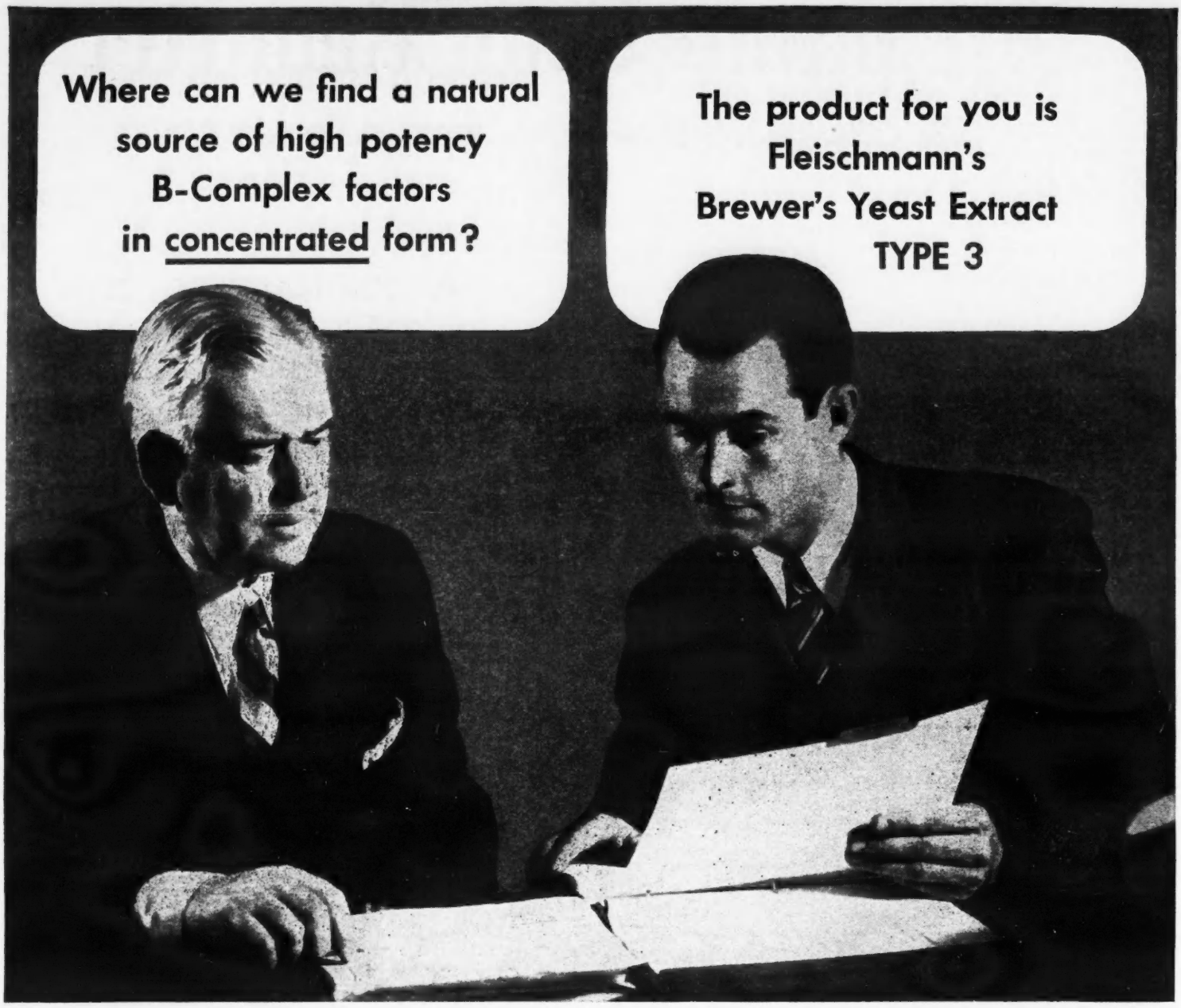
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Oil, Paint and Drug Reporter

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Strategic Materials Reserve Rise Asked

OPD Washington Bureau

The Army and Navy Munitions Board plans to ask Congress to more than triple this year's program of strategic and critical materials purchases in the fiscal year 1948. In a confidential report on operations of the program to January 1, the board said it contemplates the expenditure of $360,000 of such purchases, if Congress provides the money.

During the current fiscal year the board has operated on a purchasing budget of only $100,000,000, and had spent $36,170,000 up to January 1. One reason for the increase in expenditures next year, it was explained, is the fact that there will be fewer transfers of strategic and critical materials from the surplus inventories to the stockpile, necessitating the board to make purchases directly from producers or in the open market.

The report sent to Congress was of a confidential nature in that it showed the amount of purchases made thus far and those needed or planned. Later, excerpts not deemed of a confidential nature were made public. These indicated that heavy purchases

—*Continued on page 37*

Mineral Resources Bill Studied by Congress

OPD Washington Bureau

Several bills concerned with the mineral resources of the United States, and the development of these resources have been introduced in the house of representatives.

A bill for establishment of a national minerals resources division in the Department of the Interior, with authority to initiate a broad program of minerals development and conservation, has been introduced in the house by Representative Charles H. Russell of Nevada.

Under the terms of the proposal (H. R. 871), the division would have authority to exempt from taxation any person or corporation which presents plans for the prospecting, exploring, and developing of properties and mines which in the judgment of the director of the division would be in furtherance of the policies and purposes of the act. Such tax exemptions would extend until the person or cor-

—*Continued on page 37*

Corporations Merger Bill Reintroduced

OPD Washington Bureau

The Federal Trade Commission's bill giving it the authority to regulate merger of competiting corporations through acquisition of assets as well as capital stock has been reintroduced by Representative Estes Kefauver of Tennessee. The bill H. R. 515 has been referred to the house judiciary committee.

The bill is similar to that reported to the house last year by the judiciary committee, but was never called up for passage. The provisions of the earlier drafts of last year's legislation which gave the commission authority to permit acquisitions in certain instances, but which were eliminated in committee before the bill was reported, have not been restored in the bill just introduced.

Trademark Law Discussion Feb. 20

The provisions of the Lanham Trademark Act will be discussed at a meeting of the New Jersey Patent Law Association to be held at the Robert Treat hotel, Newark, February 20. A dinner will precede the meeting and will be served at 6:30 p.m. Patent attorneys, manufacturers and others interested in the subject are invited to attend. The meeting wil lbe addressed by Dr. Walter J. Derenberg, who was recently appointed trademark counsel to the U. S. Patent office.

Argentine Linseed Oil Offerings Sold

OPD Washington Bureau

American crushers last week purchased offerings of 40,000 tons of Argentine linseed oil from the Commodity Credit Corporation. These offerings were in addition to the quantity yet to be sold from the 1946 purchase of 32,000 tons, the Department of Agriculture announced. The oil was sold at 36.75c. per pound f.o.b. tankcars New York, duty paid, February-May shipment from Argentina.

Flaxseed Price Support Methods Established

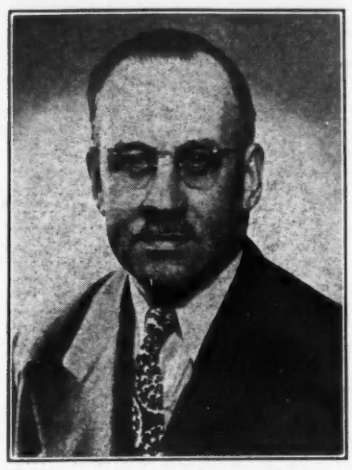
The Department of Agriculture has announced that its program to support 1947 flaxseed at $6 a bushel will be implemented by means of loans to producers; contracts with processors who agree to pay farmers not less than the applicable support price, and Commodity Credit Corporation purchases of flaxseed, if these steps are necessary to assure producers receiving the support price.

Flaxseed grading U. S. No. 1 will be supported at the following base prices:—$6 a bushel at Mankato, Minneapolis, and Red Wing, Minn., and at Chicago and Portland; $6.25 at Los Angeles and San Francisco; $5.85 at Fredonia, Kans., and $5.80 at Corpus Christi, Harlingen and Houston, Tex.

Support prices for No. 2 flaxseed will be 5 cents a bushel less than the prices specified for No. 1 flaxseed. No support price is specified for flaxseed which does not grade U. S. No. 1 or 2. A bushel is fifty-six pounds after deduction for dockage.

The support price will be effective with the beginning of the harvest of the 1947 crop, and will remain in effect until March 1, 1948, in Arizona, California and Texas, and until June 1, 1948, in other states.

In New Monsanto Post



George O. Linberg has been appointed sales manager of the textile chemical department of Monsanto Chemical Company, St. Louis. He formerly was associated with E. I. du Pont de Nemours & Co., Wilmington, Del., as sales representative in the New England area.

French Potash Shipments To U.S. This Spring

OPD Washington Bureau

Imports of French potash into the United States will be resumed in time to boost the short domestic supply during the so-called fertilizer period this spring, the Civilian Production Administration has been informed by the French Supply Council.

The agency said that shipments to the United States are scheduled as follows:—5,500 short tons of potash, basis potassium oxide, in March; 5,500 in April, and 5,000 tons in May. Sales of the imported potash will be made through the French Potash and Import Company Inc., 51 East Forty-second street, New York, and the material will not be subject to domestic allocation.

Price Trend Soars Again

Although the movements of prices were numerically quite evenly divided in the markets for chemicals, oils, and drugs last week, the pressure group was on the rising side and the general average was substantially elevated. The propulsion came mainly from domestic fatty oils, with an assist from basic coaltar materials. There was almost as big a rise in the corresponding week of 1946, but the influence then was mainly imported botanical drugs, which, along with spices and aromatic oils, are now pushing in the opposite direction.

The oils and fats situation grows steadily tighter. The governmental offerings of a goodly lot of Argentine linseed oil last week brought still higher prices for that oil, and corn, cottonseed, peanut and soybean were upped to new highs for the ever-shrinking offerings. Animal fats were carried along.

Big tonnage industrial chemicals continued in heavy demand, but interest was lagging in materials of smaller volume, manufacturing consumers having other troubles to contend with. Bad weather aggravated the freightcar shortage in hampering the movement of supplies. The upping in chrome areas spread still wider, and the copper influence reached the hydrate and naphthenate. The chlorine situation remains bad, and shaving of calcium chloride quotas is expected.

The expected increases on toluol and xylol were made during the week. Lower prices were named in some quarters on U.S.P. cresol. The upping of prices in England clouded the expectations on creosote oil in that direction. Coaltar basics are all tight —the general references to naphthalene and phenol are that they are worse than that. Betanaphthol and phthalic anhydride are not much better.

Agricultural chemicals are getting an unusually early call—and it is big. So is the worry over whether the army will come through with ammonium nitrate in time to meet the needs for which Chilean nitrate of soda is behind time. There is a special interest in fungicides on the part of potato-growers in anticipation of blight troubles. Copper hydrate is gaining in popularity in comparison with the sulphate, and its price war raised. Hexaethyl tetraphosphate was reduced; cryolite was advanced.

Argentina is easing exports of quebracho extract. More waxes are coming in from Brazil and at lower prices. The dozen or so cheaper essential oils —none were dearer—were in large part Latin American. Also copaiba, tolu, and Peruvian balsams were cheaper, while fir balsam was upped. So were menthol and methyl salicylate, and isobutyl and propyl alcohols.

Silver nitrate finally reacted to the lower price of the metal. Quicksilver also was cheaper.

OPD Price Index

The OIL, PAINT AND DRUG REPORTER'S relative record of prices for chemicals and related materials is currently as follows:—

Feb. 13, 1947	Feb. 6, 1947	Feb. 14, 1946
152.0	151.6	135.1

The base of the OPD Price Index is the average of prices in 1926 and 1936, those years representing extremes of price undulations in the interwar period.

OPD Index Monthly Averages

	1947	1946	1945	1941
January	150.9	135.3	133.0	107.8
Year's average	....	138.8	133.3	123.2

Linseed Oil Shortage Probed by House

OPD Washington Bureau

Problems facing paint manufacturers and others in obtaining sufficient supplies of linseed oil to meet their needs this year were explored at length at a hearing February 11 before a special investifiating committee of the house committee on agriculture.

Two aspects of the problem concerned the committee mostly:—first, prospects of getting additional supplies of linseed oil or flaxseed from Argentina, and second, whether or not there is sufficient seed flax on hand in this country to enable the farmers to meet the 5,000,000 acre goal set for this year.

A half-dozen or more officials of the Department of Agriculture concerned with the fats and oils situation in one phase or another participated in the round-table discussion with the committee, the sum and substance of it being that industry is facing an extremely critical situation in obtaining sufficient supplies and that the government is doing everything it can to alleviate the situation.

Officials shied away from committee questions concerning the situation with respect to the Argentina negotiations for the reason, they said, they will still going on and the less said publicly at this time the better. But it was announced from the department later that the Commodity Credit Corporation was seeking offers for 40,000 tons of Argentine linseed oil at 36.75 a pound, f.o.b. tankcars New York duty paid for February-May shipment from Argentina.

This 40,000 tons is in addition to the quantity yet to be sold from the 1946 purchase of 32,000 tons. The offers by CCC are conditioned upon completion of CCC contracts with the Argentine government.

Testimony given the committee was that the United States has been al-

—*Continued on page 65*

Linseed Oil Offerings Accepted by Industry

OPD Washington Bureau

The offering of 40,000 tons of Argentine linseed oil at 36¾ cents per pound by the Commodity Credit Corporation has been accepted entirely by the crushing industry, it was announced by the agency last week. Ambassador George S. Messersmith has been advised of the acceptance of the offers, it was stated, and it was expected he would sign the contract with the Argentine government immediately.

Officials said that they had no word that any negotiations are going on at this time to obtain additional supplies of the oil from Argentina. The United States has been allocated 77,000 tons of Argentine linseed oil by the International Emergency Food Council and the 40,000 tons just sold is a part of this allocation.

It was explained that 15,000 tons of the remainder is proposed to be traded for coconut oil, leaving about 20,000 tons due to the United States under the allocation program.

Oil Meal Allocation To Sweden Increased

OPD Washington Bureau

An emergency allocation of 10,000 tons of oil cake or meal has been allocated to Sweden, the United States Department of Agriculture announced last week. This allocation will be charged to world allocations of proteins feeds for Sweden as recommended by the International Emergency Food Council.

The allocation is good for the first six months of 1947. Any type of oil cake or meal may be procured against the allocation, but the claimant has been requested to purchase supplies at locations from which the movement to ports will minimize any interference with the food export program.

Medical Care Bill Reintroduced

The annual controversy over a program of Federally sponsored public health insurance was reopened in Congress last week with the introduction in the senate of legislation providing $200,000,000 in Federal grants for free medical care as the Social Security Board again called for a program of health benefits financed by compulsory contributions of workers.

The free medical care bill (S. 545) was introduced by Senator Taft of Ohio with Senators H. Alexander Smith of New Jersey, Joseph H. Ball of Minnesota, and Forrest C. Donnell of Missouri. It is similar to the bill offered last session by Senator Taft as a substitute for the Wagner-Murray-Dingel compulsory health insurance bill, and has been referred to the senate labor and public welfare committee, which Mr. Taft heads.

The counter proposal of the Social Security Board, which carries out the recommendations of President Truman in his state of the union message at the opening of Congress, was contained in the board's annual report to Congress. The board also asked for revisions of the Social Security Act in other respects to broaden its coverage of old-age benefit to an additional 23,000,000 workers, lowering of the retirement limit for women to 60 years of age, and extension of unemployment compensations to firms employing one or more workers.

Surplus Materials, Equipment Offered

The following items in the categories of chemicals and related materials and commodities are included among the offerings in current sales by the War Assets Administration:—

Ammonia, anhydrous, in cylinders, 37,400 pounds, 12½ cents per pound, at Horseheads, N. Y.; 250 cylinders offered separately at $16 each; New York, NYO-71-1179.

Cetyl alcohol, 101 pounds, 33 cents per pound, at Buffalo, N. Y.; New York, NYO-71-1179.

Dye, red No. 32 FDC, 94 pounds, $2.25 per pound, at Buffalo, N. Y.; New York, NYO-71-1179.

Ink, black, rotary news, 139,200 pounds, 3 cents per pound, at Brooklyn; New York, NYO-71-1179.

Isobutyl methacrylate granules, large quantity, 100-pound bags; samples and particulars from Chemical section WAA, P.O. box 2090, 1955 Twelfth street, North, Birmingham, Ala., DSS-P2.

Picric acid, 53,343 pounds, 17 cents per pound, at Romulus, N. Y.; New York, NYO-71-1179.

Styrene, N-99, 3,750 pounds, 12 cents per pound, at Buffalo, N. Y.; New York, NYO-71-1179.

Sulphanilamide, crystal, about $155,000 worth, in 5-gram envelopes, various locations; bids until February 26 to Director, Medical Sales Division, War Assets Administration, Washington 25. Minimum, 50,000 envelopes.

Among the thousands of items of industrial equipment and supplies currently offered in WAA surplus-disposal sales are the following:—

Conveyor equipment, two systems, lotted with one solvent machine; Tulsa, TUO-63-146, February 27.

Conveyor units, rollers and link-belt chain; Tulso, TUO-63-146, February 27.

Cylinders, acetylene, fifteen 285-cubic-feet, $20 each; 466 225-cubic-feet, $15 each; Philadelphia, PHO-71-445.

Cylinders, carbon dioxide, 1,179, nine lots, various sizes, $2 to $4 each; Philadelphia, PHO-71-445.

Cylinders, ethylene chloride, 50-pound,

—*Continued on page 65*

Foreign Sales Leads

Anyone interested in supplying the following inquiries with goods or information can get the full address of the inquirer by communicating—not by telephone, please—with the OPD office:—

Cellulose acetate sheets, Sclessin lez Liege, Belgium (E-11).

Chemicals, Salvador, Brazil (E-4); Recife, Brazil (E-7).

Clay-washing machinery, New Delhi, India (E-9).

Cosmetics, Alexandria, Egypt (E-8).

Drugs and pharmaceuticals, Salvador, Brazil (E-4); Shanghai, China (E-12).

Fertilizer-mixing machinery, Horley, England (E-13).

Paint, Sao Paulo, Brazil (E-5).

Phosphate rock, Turin, Italy (E-14).

Plastic boards, waterproof, heat-resistant, Porto Alegre, Brazil (E-2).

Tanning materials, Fortaleza, Brazil (E-1).

Tar, Ponta Grossa, Brazil (E-3); Salvador, Brazil (E-6).

Vegetable oil-extracting machinery, Beirut, Lebanon (E-10).

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Late Market Developments

Acrylonitrile — Higher prices have been named for this material. The market for drums in carlots was quoted at 29½c. per pound and for less than carlots up to 42½c. per pound, depending upon the size of order. Prices are f.o.b., the works.

Angelica Root oil—Prices were reduced $5 per pound on the inside late in the week, with quotations ranging from $110 to $275 per pound.

Cantharides from China were substantially competitive as between several sellers toward the end of last week and offerings were made at $5.45 per pound without stirring consumers to more than jobbing interest. The trend has been downward for many weeks.

Geranium oil—Algerian, was quoted $1 per pound lower on the inside establishing a range from $15 to $28 per pound.

Goldenseal root ended the week in somewhat lower price position. Quotations on whole root were noted at $8.50 to $8.75 per pound and powder was named at $9 to $9.25.

Lignaloe wood oil—Mexican, dropped 10c. per pound on the inside, with offerings being made from $4.50 to $5.75 per pound.

Linseed Oil—Buenos Aires, Feb. 14. Shipments of linseed oil from the Argentine were reported at 17,067 tons to European points and 280 tons to other destinations last week. No flaxseed shipments were made.

Methyl salicylate prices were advanced 5c. per pound by one maker late last week, making the market 40c. per pound in that direction. Other producers continued to hold prices at a minimum of 35c. pending further consideration of the market position.

Menthol prices advanced sharply toward the week-end, reaching as high as $7.70 to $8 per pound, a movement that reflected a stronger and higher market in Brazil.

Mercurial salts prices were reported dropping last week in reflection of diminishing costs of quicksilver. New prices were not announced up to press time.

Ocotea Cymbarum—Prices were reduced 5c. per pound inside with stocks available at prices from 85c. to $1

Pineneedle oil — Was offered last week at prices 25c. per pound lower on the inside in a range from $3 to $3.65 per pound.

Senega root reacted downward toward the close of last week. Absence of trading has induced a slightly more competitive market and sellers in some quarters suggested a market at $2.45 to $2.55 per pound.

Hyatt Award Entries Close March 3

Nominations for the John Wesley Hyatt Award, for outstanding work in plastics during 1946, will close March 3. Any molder, toolmaker, laboratory technician, executive or other person engaged in production or development of plastics is eligible to submit one or more entries, the award committee secretary, William T. Cruse, 295 Madison avenue, New York explained last week.

The John Wesley Hyatt Award, a gold medal and $1,000 has been presented annually since 1941, under the sponsorship of Hercules Powder Company, Wilmington.

Lithomat Corp. Buys N.E. Lacquer Firm

The Lithomat Corporation, Cambridge, Mass., has acquired the New England Lacquer Company, East Providence, R. I., according to W. W. Garth, jr., president of Lithomat. The newly acquired company will supplement and provide additional facilities for the activities of the Chemical Products Corporation, which was acquired in 1945. Lithomat produces plastic lithographic plates and related chemicals and supplies.

Zinc Institute to Meet

The American Zinc Institute will hold its twenty-ninth annual meeting at the Hotel Statler in St. Louis, Mo., April 28-29, 1947.

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Flammable Fabrics Shipping Curb Asked

OPD Washington Bureau

Legislation curbing the interstate movement of flammable textile fabrics has been introduced in the House this session as a result of several tragedies last year among children wearing play costumes.

H. R. 505 by Representative Gordon Canfield of New Jersey and H. R. 601 by Representative Leroy Johnson of California places an outright prohibition against interstate shipment of flammable textile fabrics and defines them as "any textile fabric of combustible fibers which flashes or burns in horizontal position, with any nape or pile on the upper face, at greater average rate than one inch per second, the size and conditioning of samples and method of testing to be in accordance with the procedure prescribed in the National Bureau of Standards Circular No. C-455."

A fine of $1,000 and imprisonment for one year would be imposed against violators.

H. R. 1111 by Representative Wat Arnold is of similar purpose but it would permit the shipments of such textiles if they are clearly marked with the legend "Flammable—Dangerous When Worn."

Cottonseed Crush Smaller in January

Cottonseed received and crushed and production of cottonseed products from August 1 through January 31, 1947, as compiled by Bureau of the Census, follows:—

Cottonseed

	—Tons—	
	1946-47	1945-46
Receipts	[1]2,818,304	2,801,501
Crushed	2,165,458	2,386,326
On hand Jan. 31	770,652	633,523

Crude Oil

	—Pounds—	
	1946-47	1945-46
Produced	674,954,000	742,120,000
Shipped	649,045,000	701,773,000
On hand Jan. 31	[2]105,959,000	130,702,000

Refined Oil

	—Pounds—	
	1946-47	1945-46
Produced	[3]542,353,000	598,569,000
Shipped		
On hand Jan. 31	[4]170,239,000	388,047,000

Cake and Meal

	—Tons—	
	1946-47	1945-46
Produced	955,698	1,052,942
Shipped	828,421	1,044,332
On hand Jan. 31	158,905	60,868

Hulls

	—Tons—	
	1946-47	1945-46
Produced	500,511	568,940
Shipped	426,322	578,359
On hand Jan. 31	100,114	52,278

Linters

	—Bales—	
	1946-47	1945-46
Produced	[5]695,754	720,611
Shipped	624,859	643,132
On hand Jan. 31	[6]105,949	96,045

[1] Includes 992 tons destroyed during 1945-46. Does not include 117,806 and 219,340 tons on hand August 1, 1946 and 1945, respectively, nor 51,124 and 31,687 tons reshipped during the seasons 1946-47 and 1945-46.

[2] Includes 36,298,000 pounds at oil mills, 53,558,000 pounds at refining and manufacturing establishments, and 16,103,000 pounds in transit.

[3] Produced from 582,387,000 pounds of crude oil.

[4] Includes 167,098,000 pounds at refining and manufacturing establishments and 3,141,000 pounds held elsewhere and in transit.

[5] Includes 208,080 bales first cut, 405,842 bales second cut, and 81,882 bales mill run.

[6] Includes 70,081 bales first cut, 27,188 bales second cut, and 8,680 bales mill run.

Bids Wanted

Antifreeze compound, 500,000 gallons, Army Ordnance Department (Raritan Arsenal, N. J.), invitation 111, February 25.

Boric acid, 10,140 pounds, Army Air Corps (Dayton, Ohio), invitation 355, February 25.

Chromic acid, 167,400 pounds, Army Air Corps (Dayton, Ohio), invitation 355, February 25.

Compressed gases, as required through June 30, Army Air Corps (McClellan Field, California), invitation 14, February 20.

Dichlorodifluoromethane, liquid gas, 8,000 pounds, Panama Canal, Purchasing Officer (Washington, D. C.), schedule 8532, February 25.

Ethyl alcohol, 216 gallons, Department of Agriculture (East Lansing, Mich.), invitation 407-47, February 20.

Hydraulic oil, 24,000 gallons, Army Ordnance Department (Raritan Arsenal, N. J.), invitation 108, March 3.

Hydrochloric acid, 210,600 pounds, Army Air Corps (Dayton, Ohio), invitation 355, February 25.

Lacquer, pyroxylin, 24,786 gallons, Army Air Corps (Dayton, Ohio), invitation 330, February 20.

Lead arsenate, 1,008 pounds, Department of the Interior (Washington, D. C.), invitation 335, February 18.

Metal-primer, 15,630 gallons, Army Air Corps (Dayton, Ohio), invitation 327, February 20.

Naphthalene, flake, 2,000 pounds, Treasury Department (Washington, D. C.), invitation 3-W-49803-R, February 27.

Paint, City of Cleveland, Ordnance No. 455-46, February 25; **enamel,** 21,500 gallons, Army Air Corps (Dayton, Ohio), invitation 258, February 21; 444 gallons, in-

—*Continued on page 77*

Nuclear Research For Industry Planned

OPD Washington Bureau

A broad program of research in nuclear sciences, to assist laboratories and industries in the solution of some of the pressing problems connected with the adaptation of atomic energy to industrial use, was announced last week by the National Research Council.

The new venture, the council said, is to be both comprehensive in scope and specific in detail, embracing the whole gamut of science, including not only physics but chemistry, biology, geology, engineering and medicine, together with their numerous fields of application.

Responsibility for supervision of this new activity has been placed in the division of physical sciences, of which Dr. R. C. Gibbs is chairman. One of the first steps taken was to reorganize the committee on radioactive standards as a committee on radioactivity, headed by Dr. L. F. Curtis of the National Bureau of Standards, and its scope was expanded to give special consideration to all aspects of the field concerned with standards, units, and measuring instruments and techniques.

Twelve subcommittees have been formed to handle specific problems. The following topics have been selected for immediate attention and work already has been started on them:—

1. Determine and standardize procedures for the preparation of precursor materials synthesized with radioactive tracer elements.

2. Prepare and recommend safe and workable rules for prevention of health hazards to users of radioactive tracers.

3. Establish physical standards, both radioactive and instrumental.

4. Develop standardized organic procedures and arrange for the preparation and distribution of typical standardized synthesized organic samples containing radioactive tracers.

5. Make available to active workers in the field reports from various sources on instruments, on health protection and medical investigations involving radioactive substances.

6. Establish, standardize and recommend rules for protection of health from exposure to radioactive radia-

—Continued on page 65

Lard Export Rules Revised by OIT

OPD Washington Bureau

The Office of International Trade announced that, effective February 15, all applications for consolidated licenses against second-quarter allocations covering the exportation of lard to Western Hemisphere countries, except Cuba and Mexico, must be accompanied by a statement showing the total amount of lard exported in the name of the applicant to the named country of destination during each of the years 1939, 1940 and 1941.

The information will be used in establishing licensing guides for the OIT when reviewing applications to export lard to these Western Hemisphere destinations. Applicants who have already filed applications with the OIT should submit a statement of their exports for the years shown if they desire to have their applications considered against second-quarter allocations.

Household Dyes Trade Gets FTC Concession

OPD Washington Bureau

A conference of the dye industry on proposed trade practice rules governing the sale of household dyes was held February 13 by the Federal Trade Commission.

Some objections to the terms used in the rules were voiced by members of the industry and these will be considered by the agency before the rules are finally issued.

One of the agreements reached at the conference was to limit the scope of the rules to include only household dyes used in the coloring and tinting of fabrics. As the rules were proposed, they were sufficiently broad to include all types of dyes, such as egg dyes, shoe dyes and hair dyes.

Washington Talks It Over

The OPD Observer

Business firms have the assurances of the Budget Bureau that all individual company wartime financial and operating reports made to the Office of Price Administration will be held in strict confidence, and that any information released will be in the form of industry totals or averages, without disclosure of the identity of any company or its operations.

There has been some confusion in the minds of business executives over what is to be done with this material as a result of recent press reports on the coordination of government programs for the collection of financial data on business operations by SEC and FTC. The data collected by OPA during the war are to be turned over to FTC, and the commission has agreed to make nothing of a confidential nature public, even as to evidence in any legal proceedings by the commission against any individual company.

Before the war both FTC and SEC gathered financial data from industry, but during the war FTC suspended this work while OPA obtained from business firms financial reports on what were known as forms A and B. Now that such activity by OPA has terminated, FTC will resume collection of financial data, but in a program worked out by SEC it will collect data only from those firms not required to report to SEC.

Both agencies will collaborate on the publication of quarterly and annual summaries of the financial condition and operations of American business by industries and by size groups.

Pink Bollworm Control

The most destructive insect enemy of the cotton industry in the world the pink bollworm, was discovered in 1945 to have spread into new areas in Texas, according to the annual report of the Secretary of Agriculture. This spread apparently occured during the 1944 season by natural movement of the moths from heavily infested sections farther south, the report said.

For the 1945 season the State of Texas modified the requirements on the period when cotton could be grown in the lower Rio Grande Valley to provide for the destruction of cotton plants by August 31, 1945. Similar requirements were imposed by the Mexican government for the contiguous area in Mexico. These requirements, the report said, were effectively carried out and the pink bollworm population in this area was reduced below that of the previous year.

Water Repellents for Lumber

The Forest Products Laboratory has brought a basis for standardization in the field of water repellents for lumber and plywood, according to the annual report of the Secretary of Agriculture. This has been achieved by establishing suitable methods by testing water repellent preservations on which specifications can be based, by developing formulas for satisfactory water-repellent preservatives and by clarifying nomenclature and definitions that differentiate water-repellent preservatives from preservative wood sealers.

Water repellent preservatives, the report stated, give moderate protection from rapid changes in moisture content from attack by blue stain and decay fungi without inconvenient or expensive methods of treatment.

During the war, these preservatives were widely used on wood boats and ships, container plywood for overseas shipment, and hutments for overseas use, the report said. Many peacetime uses are anticipated in a variety of wood products, such as doors, window sash and some furniture, where water repellent preservatives afford adequate protection.

Army Exchange Policy

A new chief of the Army Exchange Service of the Office of Special Services, has been appointed by the War Department. This is the branch of the department that handles the buying of millions of dollars annually of the products and merchandise sold in the army's PX's. Col. William H. Kendall, who was at the local New York office of the Army Exchange Service until last August when he came to Washington as deputy chief, is the new head of the service. He succeeds Col. Frank S. Townsend, who has returned to civilian life.

Upon assuming his new office, Col. Kendall explained the procurement policy of the Exchange Service. He made it clear that the policy does not preclude anyone from selling merchandise to post exchanges, either manufacturers or wholesalers. This policy, he says, combines all the advantages of buying from prime sources with the advantages of local procurement.

When the New York office of the service establishes a price agreement with one or two or more manufacturers, a price-quality bracket is created for the merchandise in question, he stated. But other manufacturers or wholesalers, whether or not they have price agreements, are not excluded from selling directly to post exchanges so long as price and quality remain within the bracket created.

Government-Job Authors

The senate civil service committee is going to investigate a practice that has grown up quite extensively in recent years. It is that of government officials' using government time and that of their employees to prepare magazine articles, newspaper columns, books, and other manuscripts for private profit.

This practice has been roundly criticized in newspaper circles as a matter of ethics. There have been too many instances where newspapermen have been denied information on some particular subject only to find the whole story told later in some magazine under the byline of the secretary. And more often than not the secretary had been paid a tidy little sum for the article.

The thing that has started the committee to investigate is the squabble between Treasury Secretary Snyder and former Secretary Morgenthau over the latter's 900-volume diary of Washington's official doings while he was in the government. But the inquiry won't end with that. Senator Langer is inviting any civil service worker who had to perform such service to communicate with him. He will guarantee to protect him in his civil service status.

It's going to be a most interesting investigation!

Critical Materials Secrets

The first report of purchases made by the government under the strategic and critical materials stockpiling act has been sent to Congress, but the general public will have to wait a while before it learns what's in it. Its marked "top secret," "restricted," "confidential," and all the other terms used by the War and Navy departments to show that it is not for publication.

All of this adds up to a big headache for the chairmen of the senate and house armed forces committees which have the report on file. They recognize—or at least take the military's word for it—that publication of the report might not be in the best interests of national defense. But, how is it to be kept secret if 435 members of the house and ninety-six members of the senate have access to it?

The answer, of course, is that it can't be. Once a secret becomes known to two people, it ceases to be a secret.

Import Rules Eased

The Civilian Production Administration and the Department of Agriculture have just acted jointly to remove some of the leftover wartime red tape on the importation of goods into the United States. It is no longer necessary to obtain consular certification that the shipment is properly licensed before it can be imported, except in the case of items still remaining on imports order M-63 and WFO-63.

M-63 administered by CPA, now provides import limitations only on agave fibers, maguey or cantala, mo-

—Continued on page 32

Fats, Oils World Quota System Opposed

Withdrawal of the United States from participation in the international system of allocating world supplies of fats and oils was urged last week before the house food investigating committee by John B. Gordon, of the bureau of raw materials for the American Vegetable Oils and Fats Industries.

Mr. Gordon told the committee that the allocation system has worked against the best interests of American consumers by reason of the fact that it has forced the United States to pay prices for fats and oils far in excess of those required to stimulate production, while other nations, given exclusive rights to supply sources in some areas, are able to pay prices so low as to hold production down to subnormal levels.

Earlier, the committee heard officials of the Department of Agriculture warn of a severe pinch in domestic supplies of both inedible and edible fats and oils beginning about the middle of the second quarter, and continuing until the new crop comes in late in the year. Because of the extreme shortage in prospect, it was stated, the department thus far has refused to make any export commitments during the second and third quarters to the International Emergency Food Council.

Omar Hermann, director of the fats and oils branch of the Production and Marketing Administration, testified the department contemplates the exportation of only 463,000,000 pounds of fats and oils during 1947. It also proposes that importations shall reach 898,000,000 pounds. The IEFC for the United States, however, call for exports of 628,000,000 pounds and imports of 806,000,000 pounds. The domestic production for 1947 is estimated at 8,725,000,000 pounds.

He said that Secretary of Agriculture Clinton Anderson has informed the council that he feels that other countries are not doing as much as they can to stimulate production of fats and oils, and he will make no commitment to the council on exports beyond the first quarter until this matter is corrected.

A.S.T.M. Program On Paints Set

The spring meeting of the American Society of Testing Materials will feature a paint and paint materials symposium in the Benjamin Franklin hotel, Philadelphia, February 25. The A.S.T.M. committee week will be in progress from February 24-28 with more than 200 meetings of technical committees in session.

The symposium on paint and paint materials, sponsored jointly by the society's committee D-1 on paint, varnish, lacquer and related materials and the Philadelphia district council, will be addressed at the opening session by John C. Moore, president of the Federation of Paint and Varnish Production Clubs, who will speak on "Test Methods and the Paint Industry."

The general chairman for the morning session will be Carlton H. Rose, of the National Lead Company, New York, and M. Van Loo, of the Sherwin-Williams Company, New York, will preside as general chairman of the afternoon session.

Methods of Evaluation of Paints

"Methods of Evaluation of Industrial Finishes," by R. A. Pringle and E. M.

—Continued on page 70

Amer. Mineral Spirits, Richfield Form Firm

American Mineral Spirits Company, Western, has been organized in Los Angeles by the American Mineral Spirits Company, Chicago and New York, and Richfield Oil Corporation, New York. Headquarters will be at 555 South Flower street, and all products marketed by the new firm will be made at Richfield's refinery at Watson, Calif.

Max A. Williams, vice-president of American Mineral Spirits, is president of American Mineral Spirits, Western, and David E. Day, vice-president in charge of manufacturing for Richfield, is executive vice-president. A. J. Falkenberg, formerly of American Mineral Spirits' Chicago office, is secretary-treasurer.

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2:2:10:10-Tetramethyl-3:6:9-triazoundecane-1:11-dicarboxylonitrile

Cellulose Products—Anchoring agent (U.S. 2228271) for moistureproofing lacquers to cellophane.

Dye—Fixative (U.S. 2228271) for direct dyes.

Paper—Waterproofing agent (U.S. 2228271) for paper.

Petroleum—Corrosion and sludge inhibitor (U.S. 2228271) in lubricating oils.

Resins—Resin (U.S. 2228271) for making various products.

Textile—Fixative (U.S. 2228271) for direct dyes.

Improver (U.S. 2228271) of dyeing properties of cellulose acetate.

Vinylcarbazole Monomer

Resins—Starting point in making polyvinyl carbazole ("Luvican") used as a mica substitute and a synthetic asbestos.

Wood's Metal

(An alloy composed of bismuth, 50 percent; tin, 12.5 percent; lead, 25 percent, and cadmium, 12.5 percent)

Dental—As a dental alloy.

Electrical—Coating agent for selenium surface in rectifiers used for battery charging, also for the direct operation of direct current apparatus from an alternating current supply, such as in electroplating, direct current motor operation, magnet coils, arc lamps.

Sealing agent for glass-to-metal in electronics.

Fire Protection—Metal for making sprinkler plugs.

Metal Fabricating—Anchoring agent for dies for various purposes; punch and die parts.

Filler for hollow tube to avoid kinks in bending (tube is afterwards heated and the molten fusible metal runs out).

Metal for making templates and in babbitting work.

Molding agent for taking sharp impressions in delicate, accurate casting work.

Association Meetings

American Management Association Conference on Packaging, Packing and Shipping, Convention Hall, Philadelphia, April 8-11.

American Pharmaceutical Manufacturers' Association, Eastern Meeting, Commodore hotel, New York, February 17-18.

American Society for Testing Materials, Benjamin Franklin hotel, Philadelphia, February 24.

American Water Works Association 1947 Conference, Auditorium, San Francisco, July 21-25.

Chemical Market Research Association, Du Pont hotel, Wilmington, Del., April 17.

Drug, Chemical and Allied Trade Section of New York Board of Trade, Waldorf-Astoria hotel, New York, March 13.

Federal Wholesale Druggists Association, Pennsylvania hotel, New York, March 3-5.

Inter-Society Color Council, Pennsylvania hotel, New York, February 24-25.

Metal Powder Association, Waldorf-Astoria hotel, New York, May 27.

National Association of Corrosion Engineers, Palmer house, Chicago, April 7-10.

National Association of Insecticide and Disinfectant Manufacturers, Edgewater Beach hotel, Chicago, June 9-11.

National Association of Purchasing Agents, Waldorf-Astoria hotel, New York, June 2-4.

Natural Gasoline Association of America, Baker hotel, Dallas, Tex., April 23-25.

National Wholesale Druggists Association, Palmer house, Chicago, April 21-23.

Society for the Advancement of Management, New York Chapter, Waldorf-Astoria hotel, New York, February 20.

Southern Paint and Varnish Production Club, Peabody hotel, Memphis, March 20.

Technical Association of Pulp and Paper Industry, Commodore hotel, New York, February 24-27.

Palm Oil Agreement With Belgium Signed

OPD Washington Bureau

An agreement for the exchange of 55,000,000 pounds of fats and oils for 65,000,000 pounds of Belgium Congo palm oil has been entered into between the United States and the Belgium government, it was disclosed by the Department of Agriculture.

The agreement calls for the exchange of the following American fats and oil products for the palm oil:—7,100 tons of lard, 47,900 tons of protein meal, 17,000 tons of shelled peanuts and 8,800 tons of various vegetable oils.

Paint Conventions In Atlantic City Nov. 7-14

Because of the exigencies of hotel accommodations, the National Paint, Varnish and Lacquer Association and the Federation of Paint and Varnish Production Clubs will return to Atlantic City for their 1947 conventions. They will have their headquarters in the Ambassador hotel, with the Ritz Carlton and Chelsea hotels as auxiliaries.

The 1947 annual paint convention season will be opened by the Federation of Paint and Varnish Production Clubs November 7. In keeping with its need and desire for more time for its annual gatherings, the federation will continue its general sessions November 8 and 10 and will have committee meetings November 9.

The paint show will have its customary part in the federation meeting and its carryover into the NPVLA meeting. Arrangements are in charge of a committee headed by Robert W. Matlack, 113 Arch street, Philadelphia, with whom all correspondence on exhibit spaces and other show matters should be had.

The convention of the National Paint, Varnish and Lacquer Association will be opened November 11. It will run through four days.

Hotel reservations for the paint conventions are being handled by the Paint Industry Convention Bureau, 16 Central pier, Atlantic City, N. J.

British Import Plan Suspended Temporarily

OPD Washington Bureau

Temporary suspension of the certification procedure under the British Token Import Plan was announced February 11 by the Office of International Trade of the Department of Commerce. The plan was suspended, OIT said, because some applicants have over-estimated the amount of their exports in the base period. For a number of commodities the total prewar exports as shown on applications has substantially exceeded the corresponding figures as shown by government statistics.

OIT has followed the procedure of accepting without adjustment the data submitted in the statements of applicants. This has resulted in issuing scrip for certain items in excess of the overall United States quota. The British Board of Trade and OIT have agreed that certification of applications should be suspended until a more satisfactory method can be put into effect.

Procedures are being worked out which will insure that United States obligations under the Plan can be carried out, OIT said. Announcement of the amended procedure is expected shortly.

Paper Chemistry Inst. Elects Two Trustees

Alexander Calder, president of the Union Bag & Paper Corporation, New York, and Reuben B. Robertson, sr., president of the Champion Paper & Fibre Company, Hamilton, Ohio, have been elected to the board of trustees of the Institute of Paper Chemistry, according to Westbrook Steele, executive director of the institute. Mr. Robertson is currently president of the American Paper and Pulp Association.

SCI Speaker

Dr. Monroe E. Spaght, vice-president of the Shell Development Company, will discuss "Future Research in Hydrocarbons," at a meeting of the American section of the Society of Chemical Industry February 20. The meeting will be held in the executive club rooms of the International Business Machines Corporation building, 590 Madison Avenue, New York.

Sulphur Export Corp. Gets FTC Suggestions

OPD Washington Bureau

The Federal Trade Commission has recommended to Sulphur Export Corporation (Sulexco), New York, and its officers, directors and member companies that they refrain in the future from formulating or participating in agreements with foreign or domestic producers of sulphur which the commission found to be in violation of anti-trust laws. Sulexco is an export trade association organized under the export trade act. Member companies are the Freeport Sulphur Company, New York, and the Texas Gulf Sulphur Company, New York.

The commission's recommendations are directed principally to certain provisions of separate trade agreements entered into by Sulexco with Italian sulphur producers, one Norwegian producer, and two American producers.

The evidence assembled by the commission at hearings before a trial examiner indicated that at various times between 1922 and 1939 Sulexco was a party to trade agreements with two organizations of Italian producers sponsored by the Italian government. The first agreement was in effect from 1922 to 1932, when the Italian group,

—*Continued on page 38*

Sulphur Export President Comments on FTC Probe

The recommendations made to Sulphur Export Corporation by the Federal Trade Commission relate to practices and agreements which were discontinued by the voluntary action of the corporation five years before the commission began its investigation in 1945, Clarence A. Snider, president, declared in a statement February 11. "Thus the recommendations issued by the Federal Trade Commission are academic and require no change in our present activities," he said.

Moreover, Mr. Snider emphasized that Sulphur Export Corporation's activities have in no way affected or concerned the United States market, as the corporation has engaged solely in export trade under the authority of the Webb export trade act.

Pointing out that the corporation had at all times filed copies of its practices and agreements with the Commission over a long period of years, Mr. Snider said that during all of these years prior to 1945 the practices and agreements now objected to were thought to be completely legal and in strict accordance with the provisions of the Webb export trade act of 1918.

"Nevertheless, Sulphur Export Corporation welcomed the investigation by the Federal Trade Commission," Mr. Snider added. "The commission's interpretation of the Webb Export Trade Act will be helpful not only to Sulphur Export Corporation but to the many other export associations in determining their policies for the future."

F.D.A. Violations Reported for 1946

OPD Washington Bureau

A judical trend toward the imposition of heavier penalties for violations of the Federal food, drug, and cosmetic act, was noted during the fiscal year 1946 by the Food and Drug Administration in its fortieth annual report just submitted to Congress.

The year saw the largest number of substantial penalties levied in the history of Federal food law enforcement, the report said. Six jail sentences and thirty-two fines of from $1,000 to $4,000 were imposed and twenty-four injunctions were granted to restrain further traffic in unfit food, either permanently or temporarily while corrections of objectionable conditions were in progress. Nine other injunctions were awaiting court hearings at the close of the year.

The misbranding of medicines with false curative claims on the carton and bottle labels has been largely corrected, according to the report. Those who attempt to misrepresent their products tend to use less conspicuous types of labeling, such as circulars which may be stored in separate packages until they are ultimately brought together with the medicine on the dealers' counters, or oral promotion in a modern counterpart of the old-time medicine show, it stated.

Among the drugs seized in 1946 the report said, were numerous items promoted by lecturers operating through "health classes" in hotel ballrooms and the "pitchmen" in chain variety stores, who ended their talks on physical well-being with the sales of their wares for serious diseases not mentioned on the labels.

The agency reported that violative sales of prescription drugs resulted in fourteen criminal prosecution actions and two injunction cases against retail druggists in 1946. Included in the sales were sulfonamides, thyroid, barbiturates, and penicillin, all shipped under labels limiting sales

—*Continued on page 50*

Management Society To Meet February 20

The New York chapter of the Society for the Advancement of Management will conduct a conference on "New Available Materials—One Way to Keep Production Moving," at the Waldorf-Astoria hotel February 20. The conference will emphasize the use of metals, plastics, chemicals, synthetic fibres and fabrics, and seized Nazi and Japanese patents.

Sessions on chemicals, plastics and synthetic fibres and fabrics will be held in the afternoon, with George F. Nordenholt, editor of "Product Engineering," presiding. Speakers will be W. J. Connelly, manager of consumer relations for the Bakelite Corporation; A. K. Seamann, manager of the synthetic crystal division of Linde Air Products; Robert Burns, of the new products division of the Celanese Corporation of America, and K. W. Given, of the chemical department of the General Electric Company.

Dr. J. R. Townsend, former president of the American Society for Testing Materials, will preside at the morning session, which will be devoted to the utilization of metals. Speakers will be Dr. George Perkins, director of the service department of Reynolds Metals Company; Dr. D. K. Crampton, director of research for the Chase Brass & Copper Company, and Milton Male, research engineer with the United States Steel Corporation.

At the luncheon meeting, which will be presided over by Albert H. Foster, president of the New York chapter, Walter D. Teague, industrial designer, will discuss "The Utilization of New Materials in the Competitive Era," and John Green, director of the Office of Technical Services of the Department of Commerce, will speak on "Nazi and Japanese Patents, Technical and Production Secrets."

ACS Organizes Fermentation Section

A fermentation section has been formed in the American Chemical Society which covers both the theoretical and industrial aspects of all fermentation. Those interested in allying themselves with the section are asked to contact Dr. C. S. Boruff, Hiram Walker & Sons, Inc., Peoria, Ill.

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MERCK

Current Market Quotations
Chemicals and Related Materials

February 13, 1947

Unless otherwise indicated, quotations are first-hands on large lots, f.o.b. New York. Price changes and trends are noted in the market reports, with other informative comment. The locations of these reports are given in the table of contents on page 4.

All matters under this heading fully protected by copyright.

A

Acacia (see Gum, Arabic).

Acetaldehyde, 99%, dms., 55 gals., works..lb. .11 - .12
3 and 10 gals., works....lb. .14 - .15
tanks ..lb. .08 - .09

Acetaldol (see Aldol).

Acetamide, CP, fib. dms......lb. .65 - .75
tech., fib. dms.....lb. .33 - .43

Acetanilide, tech., cryst., powd., bbls. c.l...lb. .19 - —
l.c.l. ..lb. .22 - —
kgs. ..lb. .25 - —

USP, cryst., powd., bbls., 2,000-lb. lots..lb. .40 - .41
smaller lots.....lb. .41 - .42

Acetic anhydride, dms., c.l., frt. alld..lb. .11½- —
l.c.l., frt. alld.....lb. .13 - —

Acetoacetanilide, bbls., dms.....lb. .60 - —

Acetone, CP, dms., c.l., dlvd..lb. .08½- .12
l.c.l., dlvd.....lb. .09 - .12½
tanks, dlvd.....lb. .07 - .10

Methyl (see M).

Acetonitrile, dms., c.l., works.lb. .45 - —
l.c.l., works.....lb. .50 - —
5-gal. lots, works.....lb. .55 - —
less than 5-gal. lots, works.lb. .60 - —

Acetophenetidin, USP, bbls., kgs., 1,000-lb. lots..lb. 1.00 - —

dms...lb. 1.08 - 1.10

Acetophenone, cns., dms......lb. 1.50 - 1.75

Acetyl chloride, cbys., works.lb. .60 - —

Acid, abietic, dcmas., c.l., wks..lb. .07½- —

Acetic, com'l or redist., 28%, bbls...100 lbs. 3.78 - 4.03
50%, bbls.....100 lbs. 7.56 - 7.81
70%, bbls.....100 lbs. 9.45 - 9.70
80%, bbls.....100 lbs.10.80 -11.05
99.5%, bbls.....100 lbs. — - —
glacial, synthetic, C.P., dms., works..100 lbs. 13.20 -13.75
tanks ..100 lbs. 7.62 - 7.92
tech., works.....100 lbs. 9.90 -10.20
tanks, works.....100 lbs. 7.62 - 8.12
USP, dms., works..100 lbs.11.60 -11.65
USP, 56%, cbys.....lb. .1000- .1605

Acetic acid price ranges above are for c.l. and l.c.l. quantities. Carboys and cases are 50c. per 100 lbs. higher.

Acetic anhydride (see Acetic anhydride above)

Acetylsalicylic, special, USP, bbls., makers, primary distrib., point of shipm't, 100-lb. lots..lb. .50 - —
smaller lots.....lb. .51 - .64

standard USP,, fine cryst., gran. (30-40 mesh), powd. (60 mesh), bbls., same basis. lb. .45 - .59

Freight equal'd, shipment identical quantity over standard routes, from N. Y. City, Phila., Midland, Mich.. Chicago and St. Louis.

Aminoacetic, USP, cryst., powd., bbls., frt. adjusted..lb. 1.50 - 1.67

Anthranilic, resub., bbls.....lb. 2.00 - 2.50
tech., bbls. ..lb. .90 - —

Arsenous, tech. (see Arsenic, white).

USP, powd., dms., kgs.....lb. .20 - .22

Ascorbic, USP, dms., 500-kilo lots..kilo.24.50 - —
25-50 kilo lots.....kilo.25.00 - —
10-kilo lots.....kilo.25.35 - —
5-kilo lots.....kilo.25.70 - —
bots., kilo lots.....kilo.26.41 - —
500 grams.....kilo.27.47 - —

Battery, cbys., c.l., E. works.. 100 lbs. 1.60 - 1.75
l.c.l., E. works.....100 lbs. 2.05 - 2.75

Benzoic, tech., bbls., 4,000 lbs. or more..lb. .43 - —
1,000 to 3,900 lbs.....lb. .44 - —
900 lbs. or less.....lb. .47 - —

USP, bbls., 4,000 lbs. up..lb. .54 - —
1,000 to 3,900 lbs.....lb. .55 - —
900 lbs. or less.....lb. .58 - .59
dms., 4,000 lbs. up.....lb. .55 - .56
1,000 to 3,900 lbs.....lb. .56 - .57
900 lbs. or less.....lb. .58 - .59

Betanaphthoic, bbls., works. lb. .95 - —

Boric, tech., 99.5%, gran., bulk. ton.95.50 -100.00
paper bgs., c.l., frt. alld. ton.99.00 -105.00
ton lots, ex whse. N. Y. or Chi..ton.117.50 - —
less ton lots, same basis. ton.122.50 - —
bbls., c.l., frt. alld..ton.119.00 -123.50
ton lots, ex whse. N. Y. or Chi..ton.137.50 - —
less ton lots, same basis. ton.142.50 - —
cryst., powd., paper bgs., c.l., frt. alld..ton.104.00 -108.50
ton lots, ex whse. N. Y. or Chi..ton.122.50 - —
less ton lots, same basis..ton.127.50 - —
bbls., c.l., frt. alld.ton.124.00 - —
ton lots, ex whse., N. Y. or Chi..ton.142.50 - —
less car lots, same basis..ton.147.50 - —

USP $25 per ton higher.

Butyric, 99%, dms., c.l., works. lb. .20 - —
l.c.l., same basis.....lb. .30 - —

Broener's, bbls......lb. 1.22 - —

Cacodylic, bots.....lb.13.00 -16.50

Camphoric, synthetic, cns.....lb. 6.50 - 8.50

Caprylic, 99%, dms......lb. **No stocks**
Capric, tech., ret. dms......lb. **No stocks**
Castor oil, split, ret. dms....lb. **No stocks**

Acid, chlorosulphonic, dms., c.l., works..lb. .03 - —
l.c.l., works.....lb. .03½- .04½
tanks, works.....lb. .02½- —

Chromic, 99½-99¾%, dms., c.l., lb. .20 - —
l.c.l. ..lb. .20½- .21

Cinnamic, refd., bots......lb. 3.00 - 3.50

Citric, anhyd., gran., dms., c.l..lb. .22½- —
l.c.l., 10,000 lbs. 1 ship't. lb. .23 - —
smaller lots, bbls.....lb. .23½- —
dms. ..lb. .25½- .26½
kgs. ..lb. .24 - —

USP, cryst., gran., bbls., c.l., lb. .20 - —
l.c.l., 10,000 lbs., 1 ship't. lb. .20½- —
smaller lots, bbls. .....lb. .21 - —
dms. ..lb. .23 - .24
kgs. ..lb. .21½- —

powdered citric acid, ½c. higher.

Cleve's, bbls......lb. .65 - 1.00

Coconut oil, dist., dms......lb. **No prices**

Corn oil, s.d., dms., c.l., wks. lb. **No prices**

Cottonseed oil, s.d., dms., c.l. lb. **No prices**
tanks, dlvd. ..lb. **No prices**

Creaylic dom. coaltar, high-boil 50% (210°-215°), low boil 50% (204°-206°), and special blends, dms., c.l., works, frt. equald..gal. 1.01 - —
l.c.l., same basis....gal. 1.04 - —
tanks ..gal. .90 - .95

Petroleum, heavy grade (347°-396°), dms., 20, Cal. ref..gal. .490 - —
Sewaren, N. J., ref. gal. .616 - —
1-19, Cal., ref....gal. .510 - —
Sewaren, N. J., ref. gal. .636 - —
tanks, dlvd.....gal. .586 - —
light grade (300°-346°), tanks, Cal., ref..gal. .690 - —
medium grade (320°-340°), dms., 20 Cal., ref..gal. .50 - —
Sewaren, N J., ref. gal. .636 - —
1-19, Cal. ref.....gal. .570 - —
Sewaren, N. J., ref. gal. .696 - —
tanks., dlvd. ....gal. .646 - —

Crotonic, bbls., Canadian, wks. lb. .25 - —

Dichlorophenoxyacetic, fib. dms., c.l., works..lb. .80 - —
l.c.l., works.....lb. .85 - .95

Diethylbarbituric (see Barbital).

F (see Acid, monosulphonic).

Formic, 85%, cbys., c.l., wks..lb. .12 - —
l.c.l., works.....lb. .12½- .14½
90%, cbys., c.l., works....lb. .12½- —
l.c.l., works.....lb. .13 - .14½

Fumaric, tech., bbls., dms..lb. .27 - .31

Gallic, NF V, 1,000-lb. lots, bbls..lb. 1.40 - —
smaller lots.....lb. 1.43 - 1.45
technical, bbls., 1,000-lb. lots. lb. 1.23 - —
smaller lots.....lb. 1.26 - 1.28

Gamma, bbls......lb. .97 - —

Gluconic, tech., 50%, bots...lb. .23 - .31
dms. ..lb. .14 - —
kgs. ..lb. .16 - —

Glycolic (see Acid, hydroxyacetic).

H, bbls., works......lb. .50 - —

Hydriodic, 45-47%, cbys.....lb. 2.52 - 2.54
57%, cbys. ..lb. 2.83 - 2.85

Hydrobromic, medicinal, 48%, cbys., dlvd. E...lb. .48 - —
tech., 48%, cbys., same basis, lb. .45 - —
34%, cbys., same basis...lb. .36 - .37

Hydrochloric (see Acid, Muriatic).

Hydrocyanic, cyls., works...lb. .80 - 1.00
NF, dilute, 2%, 5-lb. bots..lb. .80 - .40

Hydrofluoric, anhyd., cyls., wks. lb. .19 - .19½
dmjn. ..lb. .21 - .23
tanks, works.....lb. .16 - —
30%, rubber dms., works..lb. .08 - .09
48%, rubber dms., works..lb. .12 - —
52%, rubber dms., works..lb. .12½- —
60%, rubber dms., works..lb. .13½- —

Hydrofluosilicic, 30-35%, bbls.lb. .08 - .09

Hydroxyacetic, 70% tech., bbls., non-return, Phila...lb. .084 - —
tanks, Belle, W. Va., acid basis..lb. .085 - —

Hypophosphorous, USP, djns.lb. .75 - .77

Lactic, edible, 50%, bbls., 20 or more..lb. .13363- —
smaller lots.....lb. .13513- .1451
80%, bbls., 5 or less....lb. .24½- .24¾
plastic grade, 50%, bbls., 20 or more..lb. .14¼- —
10 or less.....lb. .14¾- .15¼
80%, bbls., 5 or less.....lb. .26 - .26½
tech., dark, 22%, bbls., c.l., works..100 lbs. 4.00 - 4.55
l.c.l., works....100 lbs. 4.60 - 4.75
cbys., works.....100 lbs. 5.10 - —
44%, bbls., c.l., works..... 100 lbs. 7.75 - 8.25
l.c.l., bbls., works.... 100 lbs. 8.25 - 8.50
cbys., works.....100 lbs. 8.90 - 9.15
light, 22%, bbls., c.l., works, 100 lbs. 3.90 - —
l.c.l., works....100 lbs. 4.15 - —
cbys., works.....100 lbs. 5.15 - —
44%, bbls., c.l., works..... 100 lbs. 7.30 - —
l.c.l., works....100 lbs. 7.55 - —
cbys., works.....100 lbs. 8.55 - —

USP XII, 80%, cbys......lb. .54 - .57
USP VIII, 70%, cbys......lb. .52 - .55

Acid, Laurent's, bbls......lb. .63 - —

Lauric, dist., 85%, dms......lb. No prices
60%, dms. ..lb. No prices

Linseed oil, light, dms......lb. No prices

Maleic, powd., dms......lb. .30 - —
Anhydride (see M).

Acid, malic, powd., kgs......lb. .47 - —

Mandelic, USP, dms., 1,000-lb. lots..lb. 2.05 - —
smaller lots .....lb. 2.10 - 2.30

Mixed, tanks, nitric unit....lb. .05 - .06
sulphuric unit .....lb. .0085- .009

Molybdic, kgs., works......lb. .95 - 1.10

Monochloracetic, tech., flakes, 96-97%, dms...lb. .17 - .18
purified, flake, 99%, dms...lb. .21 - .22½

Monosulphonic, bbls. .....lb. 1.50 - —

Muriatic, 18°, cbys., c.l., E. works..100 lbs. 1.50 - 1.70
l.c.l., E. works....100 lbs. 1.90 - 2.90
tanks, works.....ton.18.00 -18.20
20°, cbys., c.l., E. works..... 100 lbs. 1.85 - 2.00
tanks, E. works.....ton.20.00 -21.00
22°, cbys., c.l., E. works.... 100 lbs. 2.35 - 2.50
tanks, E. works.....ton.22.00 -26.00

CP, USP, consumers, cbys. extra..lb. .08 - —
6-lb. bots., extra.....lb. .10 - —
dealers, cbys., extra....lb. .06½- —
6-lb. bots., extra.....lb. .08½- —

Myristic, dist., dms......lb. **No stocks**

Naphthenic, 220-230 acidity, dms., extra, works..lb. .12 - —
tanks, works .....lb. .09 - —
230-240 acidity, dms., extra, works..lb. .17 - —
tanks, works .....lb. .14 - —

Neville and Winthers, dms....lb. .73 - —

Nicotinic, USP, dms., works... kilo. 7.00 - 7.30

Nicotinic amide (see Nicotinamide).

Nitric, 36°, cbys., c.l., E. works. 100 lbs. 5.00 - —
l.c.l., 25, E. works.100 lbs. 5.30 - 6.30
38°, cbys., c.l., E. works.... 100 lbs. 5.50 - —
l.c.l., works.....100 lbs. 6.00 - 6.25
40°, cbys., c.l., E. works.... 100 lbs. 6.00 - 6.50
l.c.l., works.....100 lbs. 6.50 - 7.10
42°, cbys., c.l., E. works.... 100 lbs. 6.50 - 7.00
l.c.l., works.....100 lbs. 7.00 - 7.25

CP, USP, consumers, cbys. extra..lb. .13 - —
7-lb. bots., cs., extra...lb. .15 - —
dealers, cbys. extra.....lb. .11½- —
7-lb. bots., cs., extra...lb. .13½- —

Oleic (see Oil, Red).

Oleum (see Acid, sulphuric, fuming).

Oxalic, bbls., c.l., works....lb. .13 - —
10,000 lbs.....lb. .13¼- —
smaller lots.....lb. .14 - —

Palm oil, white, dist., dms..lb. **No stocks**

Para-aminobenzoic, cns......lb. 1.55 - —

Paranitrobenzoic, cns......lb. .80 - —

Paratoluidinmetasulphonic, bbls., works..lb. .80 - —

Peanut oil, s.d., tanks, works. lb. **No prices**

Phenylacetic, bots. .....lb. 1.60 - 2.00

Phosphoric, food grade, 50%, bbls., c.l., works, frt. equald..100 lbs. — - —
cbys., c.l., works, frt. equald..100 lbs. 5.00 - —
l.c.l., works, frt. alld.. 100 lbs. 6.00 - 7.50
75%, bbls., c.l., works, frt. equald..100 lbs. 5.25 - —
cbys., c.l., works, frt. equald..100 lbs. 5.60 - —
l.c.l., frt. alld....100 lbs. 7.75 - 8.75
tanks, works, frt. equald., 100 lbs. 4.65 - —

USP, 100-lb. cbys., c.l......lb. .10½- —
10 cbys. to c.l......lb. .11½- —
2 to 9 cbys......lb. .12 - —
single cbys. .....lb. .13 - —
70-lb. cbys. .....lb. .10¼- —
25 cbys. to c.l......lb. .11½- —
5 to 24 cbys......lb. .12 - —
1 to 4 cbys......lb. .13 - —
dilut., 10%, cbys., djns..lb. .07 - .07½

Picramic, bgs. .....lb. .65 - .70

Picric, bbls. .....lb. .30 - .31

Propionic, synth., pure, dms., works..lb. .19½- —
tanks, works.....lb. .18½- —
natural, dms., works.....lb. .15 - —
tanks, works.....lb. .14 - —

Pyrogallic, tech., bbls......lb. **No prices**

N.F., cryst., dms......lb. 2.50 - 2.65
resub., dms.....lb. 3.00 - 3.03

Pyroligneous, bbls. incl., ex whse., l.c.l...gal. .41 - —

Ricinoleic, com'l split (see Acid, castor oil, split).

Salicylic, tech., bbls., c.l....lb. .32 - —
100 lbs. to c.l.....lb. .33 - —
smaller lots.....lb. .34 - .43

USP, bbls., c.l......lb. .28 - —
100 lbs. to c.l. .....lb. .35 - —
smaller lots .....lb. .38 - .44

Sebacic, tech., dms., c.l., works, lb. **No stocks**

Soybean oil, s.d., dms., works. lb. **No prices**
tanks, works.....lb. **No prices**

Stearic, double pressed, bgs.lb. .83½- .84½
single pressed, bgs......lb. .82 - .84
triple pressed, bgs......lb. .86½- .87½

Succinic, bbls......lb. .75 - —

Sulphanilic, CP, bots., works.lb. 1.60 - 1.65
tech., dms., works......lb. .17 - —

Sulphuric, 60°, cbys., c.l., E. works..100 lbs. 1.35 - 1.40
l.c.l. .....100 lbs. 1.70 - 2.60
tanks, E. works.....ton.13.00 -13.50
66°, cbys., c.l., E. works... 100 lbs. 1.55 - 1.70
tanks, E. works.....ton.16.50 -17.50
98°, tanks, works.....ton.17.50 -18.50

CP, USP, consumers cbys. extra..lb. .08 - —
9-lb. bots., cs., extra...lb. .10 - —
dealers, cbys., extra....lb. .06½- —
9-lb. bots., cs., extra...lb. .08½- —
fuming, 20%, tanks, E. works. ton.19.50 -20.50

Tannic, tech., bbls., dms....lb. .93 - .94

USP, fluffy, bbls., 1,000 lbs.. lb. 1.45 - —
smaller lots.....lb. 1.47 - 1.50
powder, bbls., 1,000 lbs.lb. 1.25 - —
smaller lots.....lb. 1.17 - —

Tartaric, USP, cryst., gran., powd., bbls., 10,000 lbs., 1 ship't..lb. .54½- —
smaller lots, bbls.....lb. .55 - —
dms. ..lb. .57 - .58
kgs. ..lb. .55½- —

Thioglycolic, bbls., cbys., basis 100%..lb. 2.00 - 3.00

Tobias, bbls......lb. .60 - —

Trichloroacetic, bots. .....lb. 2.60 - 2.50

Tungstic, CP, 100-lb. pkgs...lb. 2.94 - 3.10
pure, 100-lb. kgs......lb. 2.86 - —

Aconite leaves, bls......lb. .75 - .80
Root, bls.....lb. 1.20 - 1.25
Aconitine, amorph., bots.....oz.28.00 -28.00
15-gr. vials.....vial. 1.00 - —
cryst., bots......oz.42.00 -48.00
15-gr. vials.....vial. 1.60 - —

Acrylonitrile, dms., c.l., works. lb. .29½- —
l.c.l., works.....lb. .42½- — —
tanks, works.....lb. .28½- — —

Adeps lanae USP, anhyd., cosmetic, dms., works.lb. .28 - .30
pharmaceutical, dms., works. lb. .26 - .28

Adonis vernalis herb, bls.....lb. .65 - .70

Agar .....lb. 4.00 - 4.25

Agaric, white, bls......lb. 2.75 - 3.00

Agrimony herb, bls......lb. .40 - .45

Albumen, blood, dark (see Blood, soluble).
light, dms., l.c.l.....lb. .70 - —
egg, edible, cryst., gran., bbls. lb. 1.70 - 1.78
powd., bbls.....lb. 1.75 - 1.83
tech., cryst., bbls.....lb. 1.10 - 1.30

Alcohol, allyl, dms., c.l., dlvd.lb. .21 - —
l.c.l., dlvd.....lb. .21½- —
tankcars, dlvd......lb. .20 - —

Amyl ex pentane, dms., c.l., frt. alld., E. of Miss. R. lb. .161 - —
l.c.l., frt. alld.....lb. .171 - —
tanks, frt. alld.....lb. .151 - —
(see also Fusel oil, ref.).

Benzyl, cns......lb. .33 - —
dms. ..lb. .68 - .73

Butyl, normal, ferment, Ill., Ind. prod., dms., c.l., frt. alld..lb. .26½- —
l.c.l., frt. alld. E.....lb. .27 - —
tanks, frt. alld. E.....lb. .25 - —
tankwagon, frt. alld...lb. .25½- —
other production, dms., c.l., frt. alld. E..lb. .29 - —
l.c.l., frt. alld. E.....lb. .30½- —
tanks, frt. alld. E.....lb. .31 - —
synthetic, dms., c.l., frt. alld. E..lb. .15½- —
l.c.l., frt. alld. E.....lb. .16 - —
tanks, frt. alld. E.....lb. .14½- —

Normal butyl alcohol prices in West, ½c per lb. higher.

secondary, dms., c.l., dlvd..lb. .1050- .1160
l.c.l., dlvd. ..lb. .1100- .1210
tanks, dlvd. .....lb. .0974- .1100
tertiary, denat., dms., c.l...lb. .12½- —
l.c.l., dms. .....lb. .13 - —
tanks .....lb. .11 - —

Capryl, dms., c.l., works....lb. .17½- —
l.c.l., works.....lb. .18½- —
tanks, works.....lb. .16 - —

Cetyl, dom., CP., fiber ctns., 1,000 lbs...lb. 2.25 - —
smaller lots.....lb. 2.30 - 2.65

Cinnamic, bots......lb. 3.00 - 3.50

Denatured, CD14, dms., c.l., works, E...gal. .89½- —
l.c.l., works, E.....gal. .92½- .99½
tanks, E., dlvd.....gal. .83½- —

Tankcar sales require written authorization by Alcohol Tax Unit.

SD1, 190 pf., dms., c.l., E. works..gal. .89½- —
l.c.l., works, E.....gal. .92½- .99½
tanks, E. works.....gal. .82½- —
Anhydrous 7c. per gal. higher

SD2B, dms., c.l., wks., E.gal. .89 - —
l.c.l., works, E.....gal. .92 - .99
tanks E. works.....gal. .83 - —

SD23G, dms., c.l., works.gal. .93½- —
l.c.l., works.....gal. .96½- 1.04
tanks, works.....gal. .86½- —

SD25H, dms., c.l......gal. .895 - .905
l.c.l., works, E.....gal. .928 - .973
tanks, E works.....gal. .835 - .888

SD29, denatured, with acetaldehyde, dms., c.l., E. works. gal. .90 - —
l.c.l., works, E.....gal. .94 - .99
tanks, E. works.....gal. .83 - —

When any of the several SD29 denaturants is supplied by the purchaser, the prices are the same as those of SD3A plus 1½c. per gal. denaturing charge.

Special solvent, dms., c.l., works, E...gal. .90 - —
l.c.l., works, E.....gal. .945 - .1020
tanks, E. works.....gal. .845 - .893

Tankcar sales require written authorization by Alcohol Tax Unit.

Diacetone, acetone-free, dms., c.l., dlvd..lb. .12½- .13
l.c.l., dlvd.....lb. .13 - .13½
tanks, dlvd.....lb. .11½- —
tech., dms., c.l., dlvd.....lb. .12 - —
l.c.l., dlvd.....lb. .12½- —
tanks, dlvd.....lb. .10½- .11

Ethyl, 190 pf., dms., c.l., works. gal.18.01 - —
l.c.l., works.....gal.18.06 -18.10
tanks .....gal.17.94 - —
absolute, dms., c.l., works.gal.18.06 - —
l.c.l., works .....gal.18.12 -18.17
tanks .....gal.18.01 - —

Ethylhexyl, dms., c.l., works.lb. .32 - —
l.c.l., works .....lb. .36 - —
tanks, works .....lb. .34 - —

Furfuryl, tech., cns., works.lb. .33 - —
dms., c.l., works.....lb. .22½- —
l.c.l., works.....lb. .25 - —
tanks, works .....lb. .19 - —

Isoamyl (see Carbinol, isobutyl).

Isobutyl, refd., dms., works.lb. .15 - —
tanks, works .....lb. .12 - —

Isopropyl, refd., 91%, dms., incl., c.l., dlvd..gal. .41 - .44½
l.c.l., dlvd.....gal. .44 - .47½
tanks, dlvd.....gal. .37 - .38
99%, dms., incl., c.l., dlvd.gal. .44 - .50½
l.c.l., dlvd.....gal. .47 - .47½
tanks, dlvd.....gal. .41 - —

Methyl (see Methanol).

Methylamyl (see Carbinol methylisobutyl).

Octyl, perfumer's grade, bots.lb. 4.00 - 4.25

Phenylethyl, dms......lb. 2.50 - 2.75

Polyvinyl, type A, fiber-pack, Niagara Falls..lb. .65 - .70
type B, fiber-pack, same basis. lb. .60 - .65

Propyl, normal, dms., works.gal. .82 - —
tanks, works .....gal. .75 - —

Tetrahydrofurfuryl, cns., Cedar Rapids, Ia...lb. .55 - —
dms., c.l., Waverly, N. Y..lb. .40 - —
l.c.l., same basis.....lb. .52 - —

Aldol, dms., works......lb. .15 - —

denaturing grade, dms.....gal. 1.30 - —

Aletris root, bgs......lb. 2.00 - 2.25

Algarobilla, c.l., ex dock.... long ton. No prices.

Algarobilla price based on ocean frt. at $12 and $1 insurance per long ton.

Algin, bbls., fib. dms......lb. .76 - 1.00

Alizarin (see Red, alizarin).

Alkanet, root, bgs......lb. .85 - .90

Allspice, Mexican, futures, bgs., lb. .18 - .18½

Allyl bromide, cbys., 5,000 lbs., works..lb. .90 - —
smaller lots, works.....lb. 1.05 - 1.10

Chloride, dms., c.l., dlvd....lb. .13½- —
l.c.l., dlvd. .....lb. .14 - —
tanks, dlvd. .....lb. .12½- —

Aloe, Cape, cs. ..... lb. .42 - .43
Curacao, kgs. ..... lb. .42 - .43
Socotrine, kgs. ..... lb. .47 - .48
Aloin, bbls., dms., kgs. ..... lb. 4.50 - 4.80
Alphanaphthol, bbls. ..... lb. .58 - —
Alphanaphthylamine, bbls. ..... lb. .35 - —
Alphanaphthylthiourea, fib. dms., works, frt. alld. ..lb. 4.00 - 4.40
Alphapicoline, ret. dms., works, frt. equald. ..lb. .24 - 27½
Alphapinene, wks., South, tanks, gal. 1.15 - —
Alphaterpineol, dms., c.l., works. lb. .1340- —
l.c.l., works ..... lb. .1390- —
tanks, works ..... lb. .1200- —
Alphatocopherol, amp. ..... gram. .90 - 1.00
Althea root, NF, peeled, bls. ..lb. .40 - .45
Alum, ammonia, burnt, USP, bbls., kgs. ..lb. .16 - .18
gran., bbls., works. ..100 lbs. 4.00 - —
lump, bbls., works. ..100 lbs. 4.25 - —
powd., bbls., works. ..100 lbs. 4.40 - —
Potash, gran., bbls., works. ..100 lbs. 4.25 - —
lump, bbls., works. ..100 lbs. 4.50 - —
powd., bbls., works. ..100 lbs. 4.65 - —
Potash-chrome, bbls. ..... lb. .12½- .15
Soda, bbls., c.l., works. ..100 lbs. 3.25 - —
l.c.l., divd. ..... 100 lbs. 4.25 - 5.00
Alumina, classified, grade, grd., kgs., works. ..lb. .85 - .87
top grade, ground, kgs., works. lb. .60 - .67
unclassified, ground, kgs., works. ..lb. .10¼- .40
Acetate, basic solution, 24%, bbls., l.c.l., works. ..lb. .11 - —
20%, bbls., l.c.l., works. lb. .10 - —
Chloride, anhyd., com'l, dms., c.l., works. ..lb. .10 - .11
l.c.l., works. ..... lb. .10¼- —
cryst., com'l, dms., c.l., works. lb. .06 - —
l.c.l., works. ..... lb. .06½- .06¾
solution, 32 deg., cryst., c.l., works. ..lb. .02¾- —
l.c.l., works. ..... lb. .03¼- —
Fluoride, tech., bbls. ..... lb. .25 - —
Formate, solution, 12-20° Be, bbls., c.l., works, f.o.b. equaled Phila. and Chi. lb.
l.c.l., works, same basis. lb. .09½- —
Hydrate, heavy, bgs., c.l., works. ..lb. .10 - —
l.c.l., works. ..... lb. .024 - .031
light, bgs., dlvd. ..... lb. .035 - .040
bbls., dlvd. ..... lb. .14¼- —
Hydroxide, gel tech., min. 15% lbs. or more, f.o.b. ship't point. ..lb. .15 - —
ton lots, same basis. ..lb. .03 - .03½
smaller lots, same basis. lb. .03¼- .05¼
2-6½% Al_2O_3, fib. dms., works. lb. .03¾- .04
contract, works. ..... lb. .17¾- —
14-15% Al_2O_3, fib. dms., Al (OH_3), dms., 10,000 wks. ..lb. .16¾- —
contract works. ..... lb. .20¾- —
dried, USP XII, fib. dms., works. ..lb. .19¾- —
contract, works. ..... lb. .78 - —
powder, tech. (see Alumina hydrate). .75 - —
USP IX, bbls., dms. ..... lb. .15 - .17
Laurate, precip., bbls. ..... lb. .25 - .26
Naphthenate, 1.7% Al, 50-gal. dms., works. ..lb. .19 - —
Oleate, dms., contract. ..... lb. .24½- —
Resinate, precip., dms. ..... lb. .19¼- —
Stearate, dibasic, ctns., c.l. ..lb. .45 - —
l.c.l. ..... lb. .46 - —
monobasic, ctns., c.l. ..... lb. .45 - —
l.c.l. ..... lb. .46 - —
tribasic, ctns., c.l. ..... lb. .50 - —
less ton quantities. ..... lb. .52 - —
Sulphate, com'l, bgs., c.l., wks., frt. equald. ..100 lbs. 1.15 - 1.30
l.c.l., works, frt. equald. ..100 lbs. 1.40 - 1.50
bbls., c.l., works, frt. equald. 100 lbs. 1.55 - 1.60
l.c.l., works, frt. equald. ..100 lbs. 1.95 - 2.00
iron-free, bgs., c.l., works. ..100 lbs. 1.95 - 2.25
l.c.l., works. ..... 100 lbs. 2.35 - 2.50
Trihydrate, heavy (see Alumina hydrate).
Aluminum, 98-99%, c.l. ..... lb. .15 - —
l.c.l. ..... lb. .15 - .16
paste, lining, extra fine, 200-lb. dms. ..lb. .54 - .60
ink, 150-lb. dms. ..... lb. .71 - —
standard, 200-lb. dms. ..... lb. .35 - —
lining, extra fine, 150-lb. dms. lb. .93 - —
litho, 150-lb. dms. ..... lb. .60 - —
standard, 200-lb. dms. ..lb. .63 - —
rubber comp., 200-lb. dms. ..lb. .43 - —
unpolished, stand., dms. ..lb. .38 - —
varnish, stand., 300-lb. dms., lb. .42 - —

Aluminum powder and paste prices are f.o.b. shipping point. Add 1c. per lb. for 100-lb. dm., 1½c. per lb. for 50-lb. dm., 3c. per lb. for 10-lb. can, and 5c. to 12c. per lb. for smaller containers. Deduct 1c. per lb. for single shipment of 400 to 1,499 lbs., 2c. for 1,500 to 4,999 lbs., 3c. for 5,000 to 20,000 lbs., and 4c. for 30,000 lbs. or more. Where destination is within the continental U. S., a deduction equivalent to the lowest available common carrier, transportation rate will be made from sellers' invoice on orders of 200 lbs. or over.

Ambergris, gray, tins. ..... oz. 8.75 -12.00
Aminoethylpropanol, cns., dms., works. ..lb. .50 - .60
Aminopyrine, bots., dms. ..... lb. 4.50 - 4.75
Ammonia acetate, reagent, crystals, bbls. ..lb. .34 - —
purified, bbls. ..... lb. .32 - —
Anhydrous, fertilizer, tankcars, works, frt. equald. ..ton. 59.00 - —
pure, cyls. ..... lb. .14½- —
refrigeration, tanks, works. ton. 61.50 - —
dms., c.l. ..... lb. .02½- .03¼
l.c.l. ..... lb. .02½- .03½
tanks, works (NH_3 content)). ton. 65.00 - —
Benzoate, USP, dms., kgs., 4,000 lbs., up, frt. alld. ..lb. .43 - —
smaller lots, frt. alld. ..lb. .44 - .47
Biborate, gran., powd., bbls., c.l., works. ..ton. 32.00 - —
ton lots, works. ..... ton. 338.50 - —
less ton lots, works. ..... ton. 343.50 - —
Bicarbonate, dms., c.l. ..... lb. .0634- —
Bichromate, bbls., works. ..... lb. .26 - .30
Bifluoride, bbls. ..... lb. .15 - .15½
Bromide, gran., NF, bbls. ..... lb. .28 - —
dms. ..... lb. .29 - .32
Powdered ammonia bromide 10c. per lb. higher.
Carbonate, USP, lump, dms. lb. .06¼- .06¼
cans ..... lb. .14¼- .17¼
powdered, 1c. per lb. higher.
Chloride, tech. (see Ammoniac, sal).
USP, gran., bbls., dms., kgs.. lb. .13 - .15

Ammonia citrate, dibasic, bbls. lb. .75 - —
dms. ..... lb. .80 - .85
Fluoride, bbls. ..... lb. No stocks.
Hydroxide (see Ammonia, aqua).
Hypophosphite, NF, dms. ..... lb. 1.25 - 1.27
jars ..... lb. 1.30 - 1.35
Iodide, NF, jars. ..... lb. 3.90 - 3.96
Linoleate, 50%, anhyd., bbls. lb. .12 - —
Molybdate, c.p., cryst., kgs. lb. 1.26 - 1.30
fine cryst., bbls., kgs. ..... lb. .84 - .87
purified, dms. ..... lb. 1.10 - 1.12
Nitrate, fertilizer grade, Canadian, 32.5% nitrogen, bgs., same N unit price, delivered, as Ammonia sulphate, bgs., c.l., shipping point. ..ton. 57.00 - —
bulk, same basis. ..... ton. 51.00 - —
tech., bgs., works. ..100 lbs. 4.35 - 4.50
bbls., works. ..... 100 lbs. 4.55 - —
Nitrate - limestone, 20.5% N. bgs., Hopewell, Va. ..ton. 33.00 - —
Oleate, dms. ..... lb. .14 - —
Oxalate, fine gran., bbls. ..... lb. .23 - —
dms. ..... lb. .25 - .29
Pentaborate, gran., bbls., c.l., works. ..ton. 230.00 - —
ton lots, works. ..... ton. 248.50 - —
less ton lots. ..... ton. 253.50 - —
Ammonia pentaborate powder, $10 per ton higher.
Perchlorate, kgs. ..... lb. No stocks
Persulphate, kgs. ..... lb. .25½- .28½
Phosphate, dibasic, NF V, bbls., kgs. ..lb. .37 - .39
tech., bgs., c.l., works. ..lb. .07 - —
l.c.l., works. ..... lb. .07¾- —
monobasic, pure, bbls. ..... lb. .39 - .41
tech., bgs., c.l., works. ..lb. .07 - —
l.c.l., works. ..... lb. .07¾- .08¾
Salicylate, NF, dms., kgs. ..lb. 1.15 - 1.18
Silicofluoride, bbls. ..... lb. .15 - .18
Stearate, anhydrous, dms. ..lb. .34 - —
paste, dms. ..... lb. .06½- —
Sulphamate, bbls., dms., works. lb. .18 - .20
Sulphate, bulk, producing ovens. ..ton. 30.00 - —
Sulphide, liquid, 40-45% basis 100%, dms., c.l., works. lb. .09 - —
l.c.l., dlvd. ..... lb. .15 - —
tanks, dlvd. ..... lb. .07½- —
red, 48%, cbys., works. ..... lb. .08 - —
dms., works. ..... lb. .06 - —
yellow, 33%, cbys., works. lb. .08 - —
dms., works. ..... lb. .06 - —
Sulphocyanide, pure, bbls. ..lb. .60 - .68
tech., bbls. ..... lb. .17 - .19
Thiocyanate (see Ammonia sulphocpanide).
Thioglycollate, highly purified, 60% basis, bbls. ..lb. 7.10 - 8.25
Ammoniac gum (see Gum, ammoniac).
Sal, gray, bbls., c.l., works. ..... 100 lbs. 6.95 - 7.10
l.c.l., works. ..... 100 lbs. 7.35 - 7.50
white, gran., bbls., c.l., works. 100 lbs. 4.75 - —
l.c.l., same basis. 100 lbs. 5.00 - —
Amyl acetate, ex fusel oil, tech., dms., c.l., divd. ..lb. .25 - —
l.c.l., divd. ..... lb. .25½- —
tanks, divd. ..... lb. .24 - —
ex-pentane, dms., c.l., frt. alld. E. of Miss. R. ..lb. .22 - —
l.c.l., same basis. ..... lb. .23 - —
tanks, same basis. ..... lb. .21 - —
Alcohol (see Alcohol, amyl).
Butyrate, dms. ..... lb. .90 - 1.00
Chloride, mixed, tech., dms., c.l., works. ..lb. .07 - —
l.c.l., works. ..... lb. .08 - —
tanks, works. ..... lb. .06 - —
Ether, dms., c.l., works. ..... lb. .095 - —
l.c.l., works. ..... lb. .102 - —
tanks, works. ..... lb. .085 - —
Nitrite, USP, bots. ..... lb. 1.72 - 1.95
Mercaptan, dms., works. ..... lb. 1.10 - —
Salicylate, prime, bots. ..... lb. .87 - —
dms. ..... lb. .77 - .81
Stearate, dms., works. ..... lb. .42 - .45½
Anethol, com'l, dms., works. ..lb. .657 - .695
NF, dms. ..... lb. .80 - 1.20
Angelica dom., atropurpurea root, bls. ..lb. 1.30 - 1.40
imported, natural, bls. ..... lb. 2.45 - 2.55
Angostura bark, bls. ..... lb. .65 - .68
Anilin oil, dms., c.l., works, frt. alld. ..lb. .12 - —
l.c.l., works, frt. alld. ..lb. .13 - —
tanks, works, frt. alld. ..lb. .11 - —
Salt, dms., works. ..... lb. .22 - .24
Anise, Argentine, bgs. ..... lb. .35 - .36
Chinese, Star ..... lb. .20 - .21
Cyprus, bgs. ..... lb. .35 - .36
Mexican, bgs. ..... lb. .37 - .38
Syrian, bgs. ..... lb. .35 - .36
Turkish, bgs. ..... lb. No stocks
Anisic aldehyde, dms. ..... lb. 2.60 - 3.00
cns., bots. ..... lb. 2.90 - 3.25
Annatto, paste, bxs. ..... lb. .34 - .39
seed, bgs. ..... lb. .14 - .14½
Anthracene, 80-85%, bbls., works, lb. .69 - —
90%, bbls., works. ..... lb. .81 - —
Anthraquinone, 99.5%, bbls. ..lb. .70 - —
Antimony butter (see Antimony chloride).
Chloride, solut., cbys. ..... lb. .17 - —
Metal, bulk, c.l., mines. ..... lb. .28½- .29½
Needle, Bolivian, brown, 67% cs. lb. No prices.
Chinese, black, 70%, cs. ..lb. No prices.
Oxide, ceramic grade, bgs., c.l., works. ..lb. .23 - —
l.c.l., works. ..... lb. .24¾- .26½
c.l., dlvd. ..... lb. .24 - —
l.c.l., dlvd. ..... lb. .24¾- .25
paint grade, bgs., c.l., works. lb. .23 - .24
l.c.l., works. ..... lb. .23¾- .25½
c.l., dlvd. ..... lb. .24 - —
l.c.l., dlvd. ..... lb. .24¾- .26
Salt, 65%, bgs., c.l., dlvd. E. of Miss. River. ..lb. No stocks.
Sulphide, 65-70%, bbls., c.l., works. ..lb. .17½- —
l.c.l., works. ..... lb. .20 - .21
Antipyrine, bbls., kgs., ton. ..lb. 2.00 - —
smaller lots. ..... lb. 2.10 - 2.20
Apomorphine, bots. ..... oz. 23.20 -23.70
Archil extract, bbls. ..... lb. No stocks.
Areca nuts, powd., bbls. ..... lb. .23 - .26
Arecoline hydrobromide, bots. oz. 6.10 - 7.10
Argols, min. 70%, bgs., shipment port, 100 kilos (100% purity). 35.00 -36.00
Arnica flowers, bbls ..... lb 1.00 Nom
Arrowroot, powd., bgs., bbls. lb. .14 - .15
Arsenic, chloride (arsenous), bots. lb. 1.55 - —
Metal, lump, c.l. ..... lb. No prices.
Sulphide, yellow, bbls. ..... lb. No stocks.
Trioxide (see Acid, arsenous.
White, powd., bbls., c.l. ..... lb. .06 - —
l.c.l. ..... lb. .07 - .08
Asafetida, cs. ..... lb. .68 - .70
powd., bbls., dms. ..... lb. .72 - .77
Asbestine (see Talc, N. Y., fibrous).
Asbestos, fiber, 5D and 5K, bgs., c.l. (20 tons), Cana. mines. ton. 49.50 - —
5R, bgs., c.l. (20 tons), same basis. ..ton. 44.00 - —
6D, bgs., c.l. (30 tons) same basis. ..ton. 32.00 - —
7D, bgs., c.l., same basis. ton. 28.50 - —
7F, bgs., c.l., same basis. ton. 26.50 - —
7K, bgs., c.l., same basis. ton. 19.00 - —
7M, bgs., c.l., same basis. ton. 16.50 - —
7R, bgs., c.l., same basis. ton. 15.50 - —
Asphaltum, Barbados, Dunellen, N. J. ..lb. .10¼- —
California, dms. c.l. ..... ton. 36.40 - —
l.c.l. ..... ton. 41.40 - —

Asphaltum, Cuban, A, bulk, c.l. ton. 60.00 - —
l.c.l. ..... ton. 90.00 - —
B, bulk, c.l. ..... ton. 38.50 - —
l.c.l. ..... ton. 55.00 - —
Egyptian ..... ton. No stocks.
Gilsonite, brilliant black, selects, 340° F. fusing point, bgs., mines. ..ton. 30.00 -32.00
270-295° fusing point, bgs., mines. ..ton. 30.50 - —
seconds, 300-390° F. fusing point, not uniform, bgs., mines. ..ton. 25.50 - —
jet, bgs., ton lots, gross weight, Colo. mines. ..ton. 30.50 - —
Manjak, No. 10, crude, dms., works. ..lb. .05½- .12
process form, bgs., works. ..lb. .05¾- .12
jet, bgs., 2,000 lbs., gross weight, Colo mines. ..ton. 30.50 - —
Mexican, refd., dms., f.o.b. Tampico, Mex. metric ton. 27.50 - —
South American, refd., dms., c.l., N. J. Refy. ..ton. 22.00 -23.00
l.c.l., same basis. ..... ton. 24.00 -25.00
tanks, same basis. ..... ton. 15.00 - —
Atropine, bots. ..... oz. 9.85 - —
Sulphate, bots. ..... oz. 7.35 - —

B

Balm of Gilead buds, bgs. ..... lb. 2.25 - 2.50
Barbasco root (see Cube root).
Barberry root bark, bgs. ..... lb. .78 - .80
Barbital, dms. ..... lb. 3.50 - 3.60
sodium, dms. ..... lb. 3.75 - 3.85
Barium carbonate, natural, 90% through 200 mesh, bgs., c.l., works. ..ton. — - —
precip., bgs., 10 tons and up, works. ..ton. 67.50 -75.00
small lots, works. ..... ton. 74.50 -82.00
Chlorate, kgs., works. ..... lb. .27½- .31
Chloride, CP, cryst., bbls. ..... lb. .25 - .27
pure, bbls., kgs. ..... lb. .10 - .12
tech., cryst., bgs., c.l., works. ton. 80.00 - —
l.c.l., works. ..... ton. 90.00 - —
Dioxide, dms., c.l., works. ..... lb. .10 - —
l.c.l., works. ..... lb. .12 - .13
Fluoride, bbls. ..... lb. .18 Nom.
Hydrate, crystals, bbls. ..... lb. .06½- .07½
Hydroxide, bbls., works. ..... lb. .15 - .16
Iodide, bots. ..... lb. 5.12 - —
Monoxide (see Oxide).
Nitrate, bbls., c.l., works. ..lb. .09½- .11½
l.c.l., works. ..... lb. .10 - .11½
Oxide, dms., c.l., works. ..... lb. .11½- .12
l.c.l., works. ..... lb. .14 - .15
grd. dms., l.c.l., works. ..lb. .15 - .17
Peroxide (see Dioxide).
Silicofluoride, bbls. ..... lb. .17 - .19
Stearate, ctns., 1 ton up. ..lb. .50 - —
smaller lots. ..... lb. .51 - —
Sulphate, tech. (see Barytes, and Blanc fixe).
X-ray, bbls. ..... lb. .10 - .10½
kgs. ..... lb. .12½- —
Sulphide, dms., works. ..... ton. 45.50 -64.00
Barytes, water-grd., paper bgs., c.l., St. Louis. ..... ton. 31.10 - —
l.c.l., same basis. ..... ton. 32.10 - —
ex whse., N. Y. ..... ton. 41.95 - —
Southern, off-color, bgs., mines ton. 19.00 - —
95.75%, bgs., mines. ..ton. 20.00 - —
Ore, approx. 94% $BaSo_4$, bulk, mines. ..ton. 8.50 -12.50
Bay leaves (see Laurel leaves).
Barberry bark, bgs. ..... lb. .12 - .13
Belladonna leaves, bls. ..... lb. 1.75 - 1.80
Root, bls. ..... lb. 1.50 Nom.
Bauxite, bulk, mines. ..... ton. 8.50 -10.00
Bentonite, 200 mesh, bgs., works. ton. 11.00 - —
325 mesh, bgs., works. ..ton. 16.00 - —
Benzaldehyde, NF, dms. ..... lb. .70 - 1.20
tech., cbys., dms. ..... lb. .45 - .55
Benzene (see Benzol).
Benzidin base, bbls. ..... lb. .77 - —
Benzocaine, cns. ..... lb. 3.50 - 3.85
Benzol (benzene), pure, nitration and 90%, dms., works, frt. alld. up to 2c. gal. .22 - —
tanks, E. of Omaha, same basis. gal. .17 - —
W. Coast, Minnequa, Colo., same basis. gal. .17 - —
Benzophenone, dms. ..... lb. 1.15 - 1.28
Benzoyl chloride, cbys. ..... lb. .25 - .28
Peroxide, pure, gran., fib. ctns., works. ..lb. .90 - 1.05
Benzyl acetate, f.f.c., cns. ..... lb. .75 - —
dms. ..... lb. .60 - .65
Alcohol (see Alcohol, benzyl).
Benzoate, f.f.c., cns., dms. ..... lb. 1.00 - 1.15
Chloride, tech., cbys., works, frt. equald. ..lb. .20 - —
refined, vbys. ..... lb. .21 - —
Cinnamate, cns. ..... lb. 4.00 - 6.25
Formate, cns. ..... lb. 2.10 - 3.50
Propionate, bots. ..... lb. 1.80 - 2.45
Salicylate, bots. ..... lb. 1.80 - 2.10
Benzylidinacetone, bots. ..... lb. 2.00 - 2.70
Benzylisoeugenol, bots. ..... lb. 9.50 - —
Berberine bisulphate, cns. ..... lb. No stocks.
Hydrochloride, bots. ..... lb. No stocks.
Sulphate, cns. ..... lb. No stocks.
Berberis root, bls. ..... lb. .30 - .35
Betanaphthol, resublimed, dms., works. ..lb. .55 - .60
tech., bbls., c.l., works. ..lb. .23 - .25
l.c.l., works. ..... lb. .26 - .28
Benzoate, fib. dms., works. ..lb. 1.75 - —
Salicylate, dms. ..... lb. 5.00 - —
Betanaphthylamine, tech., works, lb. .59 - —
Betagammapicoline, dms., c.l., works. ..lb. .24¼- —
l.c.l., works ..... lb. .25 - —
Betapicoline, 90%, ret. dms., c.l., works. ..lb. 1.60 - —
l.c.l., works ..... lb. 1.85 - —
95%, dms., works. ..... lb. 2.05 - —
98-99%, works ..... lb. 2.20 - —
Beth root, bls. ..... lb. .55 - .60
Bismuth chloride, jars. ..... lb. 4.35 - —
Citrate, USP VIII, jars. ..... lb. 2.97 - —
Hydroxide, bots., dms. ..... lb. 3.80 - 3.91
Metal, ton lots. ..... lb. 1.80 - —
Nitrate, cryst., cns. ..... lb. 1.60 - —
Oxychloride, cns., bots., dms. lb. 3.60 - 3.69
Oxide, anhydrous, bots., dms. lb. 4.20 - 4.31
Subcarbonate, USP, dms. ..... lb. 2.40 - 2.48
Subsalicate, NF, fib. dms. ..... lb. 2.35 - 2.38
Subiodide, fib. dms. ..... lb. 4.13 - —
Subnitrate, USP, powd., dms. lb. 2.00 - 2.08
Subsalicylate, USP, dms. ..... lb. 2.90 - —
Sulphocarbolate, fib. dms. ..... lb. 4.05 - —
Bismuth-ammonia citrate, USP, powd., dms. ..lb. 3.70 - —
Black, acetylene, bgs., c.l., works. lb. .14 - —
l.c.l., works ..... lb. .18 - —
Bone 1A, bgs., bbls., c.l., frt. alld east ..lb. .19½- —
1, bgs., bbls., c.l., same basis, lb. .17½- —
2, bgs., bbls., c.l., same basis, lb. .16 - —
3, bgs., bbls., c.l., same basis, lb. .15 - —
4, bgs., bbls., c.l., same basis, lb. .14 - —
5, bgs., bbls., c.l., same basis, lb. .11½- —
6, bgs., bbls., c.l., same basis, lb. .11½- —
457, bgs., bbls., c.l., same basis. ..lb. .11¾- —
Black, bone, 7, bgs., bbls., c.l., same basis. ..lb. .14½- —
8, bgs., bbls., c.l., same basis, lb. .15½- —
400A, bgs., bbls., c.l., same basis. ..lb. .08½- —

Bone black l.c.l. prices are ½c. higher than c.l. Pacific coast, ex dock, or whse., prices are 1½c. higher.

Carbon, channel, compressed, beads, bulk, c.l., works lb. .06 - —
bgs., c.l., works. ..... lb. .0632- —
l.c.l., works. ..... lb. .07 - —
dlvd. or whse. ..... lb. .102 - —
uncompressed, regular, bgs., c.l., works. ..lb. .074 - —
bgs., ctns., l.c.l., dlvd. or whse. ..lb. .11¾- —
furnace, HMF, bgs., c.l., works. ..lb. .05 - —
ctns., l.c.l., whse. ..... lb. .09 - —
SRF, bgs., c.l., works. ..lb. .03½- —
ctns., l.c.l., whse. ..... lb. .075 - —
Thermatonic, bgs., c.l., works, La. ..lb. .04 - —
l.c.l., whse., Trenton, N. J., lb. .06½- —
Charcoal (see C).
Graphite (see G).
Iron oxide, magnetic, pure, bgs., l.c.l., works. ..lb. .09 - —
Lamp, 1, ctns., c.l., works. ..lb. .05½- —
l.c.l., works. ..... lb. .09 - —
2, ctns., c.l., works. ..... lb. .10 - —
l.c.l., works. ..... lb. .11 - —
2A, ctns., c.l., works. ..... lb. .12 - —
l.c.l., works. ..... lb. .13½- —
3, ctns., c.l., works. ..... lb. .14½- —
l.c.l., works. ..... lb. .15½- —
4, ctns., c.l., works. ..... lb. .16½- —
l.c.l., works. ..... lb. .17½- —
5, ctns., c.l., works. ..... lb. .20 - —
l.c.l., works. ..... lb. .20 - —
6, ctns., c.l., works. ..... lb. .25½- —
l.c.l., works. ..... lb. .27½- —
7, ctns., c.l., works. ..... lb. .37½- —
l.c.l., works. ..... lb. .28½- —
Mineral, vine type, bgs., l.c.l., works. ..lb. .03 - —
Vine A, bgs. ..... lb. .03¾- .04
B, bgs. ..... lb. .05¾- .06
Black ash (see Barium sulphide).
Black dyes (see Dyes).
Black haw root bark, bls. ..... lb. .80 - .85
Tree bark, bls. ..... lb. .35 - .45
Black Indian hemp root, bls. ..lb. .55 - .60
Blanc fixe, dry, by-product, bgs., c.l., works. ..ton. 67.50 - —
l.c.l. works. ..... ton. 72.50 - —
direct process, bgs., l.c.l., N.Y. whse. ..ton. 95.00 - —
barrels, N.Y. whse. ton. 100.00 - —
bgs., c.l., works. ..... ton. 77.50 - —
l.c.l., works. ..... ton. 82.50 - —
bbls., c.l., works. ..... ton. 82.50 - —
l.c.l., works. ..... ton. 87.50 - —
soluble, bgs., l.c.l. ..... lb. .17 - —
pulp, 66%, bbls., c.l., works. ton. 55.00 - —
l.c.l., same basis. ..... ton. 60.00 - —
Bleaching powder, dms., c.l., works. ..100 lbs. 2.75 - 3.00
l.c.l., works. ..... 100 lbs. 3.25 - 3.75
bbls., c.l., works. ..... 100 lbs. 3.25 - —
l.c.l., works. ..... 100 lbs. 3.75 - —
Blood, dried, 16-16½% ammo., bgs. unit-ton. 8.50 - —
high-grade, unground, 16-17% ammon., bulk, Chicago. unit-ton. 8.50 - —
soluble, bgs., l.c.l. ..... lb. .17 - —
Bloodroot, bls. ..... lb. .65 - .70
Blue, alkali, dry, bbls., dlvd. N. of Tenn. and N. C., E. of Miss. River, including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis. lb. 1.90 - —
toner bbls., same basis. ..lb. 1.10 - —
Celestial, bbls., same basis. lb. .10 - .12
Chinese, bbls., same basis. ..lb. .38 - —
Cobalt, genuine, bbls., same basis. ..lb. 4.90 - —
Imitation (see Blue, ultramarine).
Copper, phthalocyanin, full strength, bbls., same basis. lb. 3.50 - 3.75
80%, bbls., same basis. ..lb. 3.00 - —
green shade, bbls., same basis. lb. 4.50 - 4.90
Iron (see Blue, Chinese, Milori, Potash Prussian, and Soda).
Milori, bbls., same basis. ..lb. .36 - —
Molybdated, Victoria, bbls., same basis. ..lb. 3.15 - —
Peacock, fugitive, 100% color strength, same basis. ..lb. .52 - —
permanent toner, green shade, molybdic, bbls., same basis. lb. 3.50 - —
tungstic ..... lb. 4.00 - —
Potash, CP, bbls., same basis. lb. .48 - —
Prussian, bbls., same basis. ..lb. .42 - —
soluble, bbls., same basis. lb. .42 - —
Soda, CP, bronze, bbls., same basis. ..lb. .39 - —
Ultramarine, cobalt type, dry or pulp, bbls., same basis. lb. .24 - .28
jobbing type, dry, bbls., same basis. ..lb. .13 - .14
regular types, dry or pulp, bbls., same basis. ..lb. .18 - .19
Victoria, toner, molybdic, bbls. lb. 3.15 - —
tungstic, bbls. ..... lb. 3.30 - 3.55
ink toner, bbls., same basis lb. 1.83 - —
synthetic vehicle, bbls., same basis lb. 1.98 - —
Violet toner, molybdic, bbls., same basis. ..lb. 1.24 - —
tungstic, kgs., same basis. ..lb. 2.10 - —

Blue dry colors, dlvd. prices ½c. higher Ala., Fla., Ga., La. (Shreveport, 1¼c.); Miss., N. C., S. C., Tenn., Tex. (El Paso, 2c.); Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; 1.6c. higher Pac. Coast; Denver, Pueblo, Salt Lake City, Wichita, frt. equalized with Chicago.

Blue dye sare listed under Dyes.
Blue mass, NF, cns., tubs. ..... lb. 1.58 - —
powd., bots., cns., dms. ..... lb. 1.61 - 1.76
Bluefiag, root, bls. ..... lb. No stocks
Bluestone (see Copper sulphate).
Blue vitriol (see Copper sulphate).
Boldo leaves, bls. ..... lb. .11 - .12
Bone, raw bulk, Chicago. ..... ton. 75.00 - —
junk, bulk, same basis. ..... ton. 50.00 -52.00
Meal, raw, 4½% ammon., 50% phos., bgs., E. works. ton. 65.00 - —
Chicago, works. ..... ton. 75.00 - —
steamed, feeding grade, 1% ammon., 60% phos., kgs., E. works. ..ton. 70.00 - —
Chicago, works. ..... ton. 80.00 - —
fertilizer grade, 3% ammon., 50% phos., bgs., E. works ton. 60.00 - —
Chicago, works. ..... ton. 60.00 - —
Phosphate, defluorinated (see D.). Precipitated (see Calcium phosphate tribasic precip.).
Boneset leaves, bls. ..... lb. .17 - .18
Borage flowers, bls. ..... lb. .60 - .62

OPD—2-17-1947

SPOT STOCK

For Immediate Delivery

ACETIC ACID, Glacial
ACETIC ACID, 47% Technical
BUTYL ALCOHOL
CALCIUM CARBONATE U.S.P. pptd.
COCONUT OIL
CORN OIL
CREAM OF TARTAR
GLUCOSE 45° Baumé
HEXYLRESORCINOL
HYDROGEN PEROXIDE
LACTIC ACID, 50% Edible
MODIFIED SODA
PARA-DICHLOROBENZENE
POTOSH CARBONATE
POTASSIUM GUAIACOL SULFONATE
PROPYLENE GLYCOL
ROCHELLE SALT
SODA ASH
SODIUM PERBORATE
SODIUM SULPHIDE
TARTARIC ACID

WILLIAM D. NEUBERG CO., INC.

Chemicals

GRAYBAR BUILDING • 420 LEXINGTON AVE. • NEW YORK 17, N. Y.

TELEPHONE LEXINGTON 2-3324

CABLE—"WILNEUBERG"

Borax, tech., 99½% fine gran., bulk, works..ton.44.50 -47.50
paper bgs., c.l., works, frt. alld..ton.48.50 -51.00
ton lots, ex whse. N. Y. or Chi..ton.66.00 - —
less ton lots, same basis. ton.71.00 - —
bbls., c.l., frt. alld....ton.68.50 - —
ton lots, ex whse., N. Y. or Chi..ton.86.00 - —
less ton lots, same basis. ton.91.00 - —
coarse gran., cryst., paper bgs., c.l., works, frt. alld..ton.53.50 -56.00
ton lots, ex whse. N. Y. or Chi..ton.71.00 - —
less carlots, same basis. ton.76.00 - —
bbls., c.l., works, frt. alld..ton.73.50 - —
ton lots, ex whse. N. Y. or Chi..ton.91.00 - —
less carlots, same basis. ton.96.00 - —
USP, $15 per ton higher.
Bordeaux mixt., bgs., c.l., whse., works, frt. alld..lb. .15 - .22½
l.c.l., same basis.....lb. .16 - .23
Bornyl thiocyanoacetate (see Isobornyl thiocyanoacetate).
Brimstone (see Sulphur).
Bromine, purified, cs., c.l., frt. alld. E. of Rockies..lb. .21 - —
1,000 lbs., frt. alld. E. of Rockies..lb. .23 - —
single pkgs., same basis.lb. .28 - —
Brazilwood extract (see Hypernic).
Bromoform, USP, bots.....lb. 1.50 - 1.70
cbys. .....lb. 1.42 - —
Bromstyrol .....lb. 4.85 - 5.25
Bronze powder, aluminum (see A).
Gold, litho., 100-lb. cns., dms., works..lb. .50 - .60
gold, moulding, 100-lb. cans, dms., same basis..lb. .80 - 1.00
printing ink, 100-lb. cns., dms., same basis..lb. .95 - 1.10
radiator, 100-lb. cns., dms., same basis..lb. .60 - .65
Broomtop, bls. .....lb. .29 - .30
Brown, iron-oxide, pure, precip., cks., works..lb. .10¼- .10½
Metallic, bgs., c.l., works.lb. .02½- .02¾
Sap, crystals, works.....lb. .12 - —
powdered .....lb. .13 - —
Sienna, burnt, American, bbls., works..lb. .06½- .08
pap. bgs., l.c.l., same basis..lb. .04 - .04½
Italian type, bbls., works. lb. .08¾- .09¾
raw, American, bgs., l.c.l., works..lb. .04¾- .05
Italian type, bbls., works. lb. .08 - .10
Umber, burnt, American, bbls., works..lb. .06¼- —
Italian-type, bbls., works.lb. .04¾- —
Turkey-type, bgs., c.l., Boston, Bethlehem, Easton, Pa.; N. Y..lb. .05 - .05¼
St. Louis, Chicago, Indianapolis, New Orleans..lb. .05½- —
Minneapolis .....lb. .0560- —
Pittsburgh .....lb. .05¼- —
Los Angeles .....lb. .06¼- —
Portland, San Francisco, Seattle..lb. .05¾- —
ex whse., Los Angeles, lb. .06¼- —
Portland, San Francisco, Seattle..lb. .06 - —
Vandyke, reg., bbls., works.lb. .09 - —
special, bbls., works.....lb. .12 - —
Brucine, cns., 100 ozs.....oz. .38 - .42
Sulphate, cns., 100 ozs.....oz. .32 - .34
Bryonia root, bls.....lb. .45 - .50
Buchu leaves, bls.....lb. 1.05 - 1.10
Buckthorn bark, bls.....lb. .33 - .40
cut and sifted, bbls.....lb. .49 - .50
Berries, bgs.....lb. 1.00 - 1.10
Burdock root, bls.....lb. .55 - .65
Burgundy pitch, dom., dms. incl., wks., South..100 lbs.10.46 -11.10
Butane, indust., tanks, Group 3. gal. .06½- —
Butyl acetate, normal, ferment, Ill., Ind., prod., dms., c.l., frt. alld. E. of Miss. R..lb. .26½- —
l.c.l., same basis..lb. .27 - —
tanks, same basis...lb. .25 - —
tankwagon, same basis. lb. .25½- —
other production, dms., c.l., same basis..lb. .27 - —
l.c.l., same basis....lb. .27½- —
tanks, same basis....lb. .26 - —
synthetic, dms., c.l., same basis..lb. .15½- —
l.c.l., same basis..lb. .16 - —
tanks, same basis...lb. .14½- —
secondary, dms., c.l., divd. E. of Miss. R..lb. .1210- —
l.c.l., same basis.....lb. .1260- —
tanks, same basis.....lb. .1150- —
Normal butyl acetate, W. of Miss. R., ½c per lb. higher.
Aldehyde, dms., c.l., works..lb. .15½- —
l.c.l., works.....lb. .16½- —
tanks, works.....lb. .14½- —
Ether (see Ether, butyl).
Lactate, dms., c.l., frt. alld. E. of Rockies..lb. .38½- —
l.c.l., same basis.....lb. .39 - —
tanks, same basis.....lb. .37 - —
Laurate, dms., works.....lb. .42 - —
Myristate, dms., works.....lb. No prices
Butyl oleate, ref., dms., l.c.l., works..lb. .35 - —
tech., dms., c.l., works....lb. .24 - —
l.c.l., works.....lb. .24½- .25½
Phenylacetate, dms.....lb. 2.00 - 2.25
Phthalate (see Dibutyl phthalate).
Propionate, dms., dlvd.....lb. .16½- .17
tanks, dlvd.....lb. .15½- —
Stearate, dms., l.c.l., frt. alld. E. of Rockies..lb. .47½- —
Butyric ether, bots.....lb. 6.50 - 6.90
cns., works.....lb. .65 - .70
dms., works.....lb. .60 - —

C

Cadmium bromide, jars.....lb. 1.66 - 1.91
Iodine, cns.....lb. 4.49 - 4.64
Iodide, cns.....lb. 4.48 - 4.49
Lithopone (see Yellow).
Metal, ingots or sticks, dlvd.. lb. 1.55 - —
pat. shapes, cs., dlvd.....lb. 1.55 - —
Selenide (see Red).
Sulphide (see Yellow).
Caffeine, dms., 100 lbs. or more. lb. 3.75 - 7.00
anhydrous, dms., 100 lbs. or more..lb. 4.00 - —
Citrated, dms., 100 lbs. or more. lb. 2.50 - —
Hydrobromide, bots.....lb. 5.91 - 5.99
Calabar beans, bgs., futures..lb. .65 - .66
Calamus root, natural, dom., bls. lb. .40 - .45
imported, bleached, bls..lb. .70 - .80
Calciferol, in corn oil, dms., 10,000 units or more, works. unit. .10 - —
1,000 to 10,000 units, works. unit. .11 - —
less than 1,000 units, works.. unit. .12 - —
Calcium acetate, bgs., dlvd.... 100 lbs. 3.00 - 4.00
Arsenate, dealers, dms., c.l., whse., wks., frt. alld..lb. .09 - —
l.c.l., same basis.....lb. .10 - .11
Bromide, N.F., jars.....lb. .65 - .70
Carbide, dms., c.l., works, ton.50.00 - —
dlvd. .....ton.87.00 -90.00
Carbonate (see Chalk and Whiting).
Chloride, cryst., purified, bbls., jars..lb. .28 - .30
flake, 77-80%, paper bgs., c.l. dlvd..ton.21.50 -38.00
l.c.l., dlvd.....ton.31.50 -48.00
liquor, basis 40%, tanks, works..ton. 8.50 - —
solid, 73-75%, dms., c.l., dlvd. ton.21.00 -37.50
l.c.l., dlvd.....ton.31.00 -54.15
Calcium chloride prices vary according to zone; minimum prices are for spot delivery. C.l. prices for flake in paper bags, $2.50 per ton; for burlap bags, drums, $3.50 per ton over paper bags.
Cyanide, dms., delivered E. of Rockies..lb. .20 - .40
Gluconate, USP, bbls.....lb. .58 - .65
cns. .....lb. .76 - .83
Calcium, gluconate, AA grade, 7c. per lb. higher.
Hydride, dms., works.....lb. .90 - —
Glycerophosphate, N.F., fib. dms..lb. 1.90 - —
Hypochlorite, 100-lb. dms., dlvd. E. of Rockies..dm.24.00 -28.50
cans, 45-lb. cases, same basis. cs.19.75 -21.50
Iodide, jars .....lb. 4.12 - —
Lactate, USP, powd., dms...lb. .40 - .42
Laurate, bbls. .....lb. .28 - .30
Mandelate, USP, dense, fluffy, works, dms..lb. 2.05 - 2.30
Naphthenate, 5% Ca, 50-gal. dms..lb. .25½- .26½
Pantothenate, dex., 100-gram bots, works..per gram. .10 - .13
Phosphate, feeding grade, bgs., works..ton.75.00 - —
food grade, bbls., 10 or over, works..lb. .07 - .07¾
less than 10, works.....lb. .06 - .10
medicinal, dibasic, bgs. 100 lbs.11.40 -18.00
monobasic, cryst., bgs., c.l., works, frt. equald..lb. .05¾- —
l.c.l., frt. equald.....lb. .06 - .06¼
tribasic, bbls., c.l., works..lb. .0635- —
bgs., l.c.l., works.....lb. .0645- .0680
Phytate, bgs., works.....lb. .16 - .17
Resinate, precip., 5.8% Ca, 100-lb. dms..lb. .19 - —
Silicate, hydrated, c.l., bgs., works..lb. .05¼- —
l.c.l., works.....lb. .06 - —
Stearate, precip., ctns., 2,000 lbs. to c.l., works..lb. .47 - —
less than ton lots, works.lb. .48 - —
Sulphate (see Gypsum).
Sulphide, 76%, bgs., c.l., works. ton.45.00 - —
80%, bgs., c.l., works...ton.50.00 - —
luminous, tins, works.....lb. 1.25 - —
Sulphocarbolate, bbls., dms..lb. .49 - .54
Tallate, 3%-4% Ca, 50-gal. dms. lb. .13¼- .19½
Calcium-strontium sulphide, phosphorescent, dms., works..lb. 1.06 - 1.50
fine particle size, works. lb. 1.50 - 1.75
Calendula flowers, bls.....lb. 1.15 - 1.20
Calomel, USP, dms.....lb. 2.44 - 2.45
fine powd., dms.....lb. 2.59 - 2.60
Camphor, monobromated, dms.lb. 3.20 - —
Camphor, natural .....lb. No stocks.
synth., tech., bbls., contract, 2,000 lbs. or more, works.lb. .54 - —
10 bbls. (1,500 lbs.)....lb. .56½- —
5 to 9 bbls. .....lb. .57 - —
1 to 4 bbls.....lb. .58 - —
smaller lots.....lb. .60 - .67
USP, gran., powd., bbls., 2,000-lb. lots..lb. .81 - —
1,000-lb. lots.....lb. .82 - —
smaller lots.....lb. .83 - —
tablets, 2,000-lb. lots....lb. .94 - —
1,000-lb. lots .....lb. .95 - —
smaller lots .....lb. .96 - —
Canada balsam (see Fir balsam).
Cantharides, Russian, bgs.....lb. 7.50 Nom.
Chinese, cs. .....lb. 5.75 - 6.00
powd., bxs. .....lb. 6.00 - 6.25
Capsicum (see Pepper, red).
Capsicum oleoresin, USP VII, cns..lb. 4.50 - 4.65
Caramel coloring, bbls.....gal. .70 - 1.10
Caraway seed, California, Dutch type..lb. .25½- .26
Danish, bgs.....lb. .25½- .26
Dutch, bgs. .....lb. .25¾- .26¼
futures, bgs. .....lb. .26 - .26½
Roumanian, bgs.....lb. .22 Nom
Swedish, bgs. .....lb. .23½- .24
Carbazole, 95%, dms., ton lots, works..lb. .81 - —
smaller lots, works.....lb. .91 - —
85%, dms., ton lots, works..lb. .75 - —
smaller lots, works.....lb. .85 - —
Carbinol, butyl, norm. dms., l.c.l., works..lb. .42 - —
secondary, dms., l.c.l., works, lb. .70 - —
Isobutyl, dms., c.l., works..lb. .51 - —
l.c.l., works .....lb. .52 - —
tanks, works .....lb. .50 - —
Methylisobutyl, dms., c.l., nearest delivery point buyer's works..lb. .12¾- —
l.c.l., same basis.....lb. .13¼- —
tanks, same basis.....lb. .11¾- —

It's in . . .

mother's magazine

Johnny's cookie

doctor's gloves

Calcium Carbonate. And quite possibly it's Wyandotte Precipitated Calcium Carbonate.

Wyandotte Precipitated Calcium Carbonate, as a pigment, makes possible high-grade *coated paper.*

This chemical is increasingly in demand by makers of *baking powder* for its calcium-enrichment properties.

Wyandotte Precipitated Calcium Carbonate is the best reinforcing agent known for many *rubber* products—lending tensile strength and tear resistance to rubber goods, including gloves, hospital sheeting and hot-water bottles . . .

This versatile product has many other uses in such diverse fields as plastics, dentifrices, polishes and pharmaceuticals . . .

If you have a food-enriching, pigmenting, mild abrasive, reinforcing or extension problem, Wyandotte Chemicals Corporation invites you to consult them about the adaptability of Wyandotte Precipitated Calcium Carbonate to your purposes.

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WYANDOTTE CHEMICALS CORPORATION
WYANDOTTE, MICHIGAN • OFFICES IN PRINCIPAL CITIES

Soda Ash • Caustic Soda • Bicarbonate of Soda • Calcium Carbonate • Calcium Chloride • Chlorine
Hydrogen • Sodium Zincates • Aromatic Intermediates • Dry Ice • Other Organic and Inorganic Chemicals

Carbon bisulphide, 50-gal. dms., c.l., frt. alld. E. of Miss. R., N. of Ohio R..lb. .05 - —
l.c.l., same basis.....lb. .05¾- —
5-gal. dms., c.l., same basis, lb. .07 - .07½
l.c.l., same basis.....lb. .08 - .08¾
Dioxide, cyls. .....lb. .06 - .08
Tetrachloride, c.p., dms., c.l.. lb. .06 - —
l.c.l. .....lb. .08½- —
tech., Zone 1, 52½-gal. dms., c.l., frt. alld..lb. .06 - —
l.c.l., frt. alld.....lb. .06½- —
Zone 2, 52½-gal. dms., c.l., frt. alld..lb. .06½- —
l.c.l., frt. alld.....lb. .07 - —
Zone 3, 52½-gal. dms., c.l., frt. alld..lb. .07 - —
l.c.l., frt. alld.....lb. .07½- —
Zone 4, 52½-gal. dms., c.l. lb. .06½- —
l.c.l., frt. alld.....lb. .07 - —
USP, cbys.....lb. .17 - .19

Carbon tetrachloride prices are frt. alld. with the exception of Zone 4, where prices are f.o.b. cars L. A., Cal.; S. F., Cal., Portland, Ore., and Seattle, Wash. Sales zones are:—1, Conn., Del., Ill., Ind., Ia., Me., Mass., Md., Mich., Minn., Mo., N. H., N. J., N. Y., N. C., O., Pa., R. I., Tenn., Va., W. Va., Wis., and river cities of Burlington, Ia., and Kansas City, Kans.; 2, Ala., Ark., Fla., Ga., Kans., La., Miss., Neb., N. D., Okla., S. C., S. D.; 3, Colo., N. Mex., Tex., and Montana points E. of Billings; 4, Ariz., Cal., Idaho, Nev., Ore., Utah, Wash. and Montana points W. of Billings.

Cardamom, bleached, bold, cs., lb. 1.75 - 1.80
medium, cs.....lb. 1.55 - 1.60
decorticated, Guatemala, cs..lb. 1.40 - 1.45
India, cs.....lb. 1.45 - 1.50
green, Alleppey, bgs.....lb. 1.05 - 1.10
Carotene, cryst., 1,350,000 A units per gm., tins, works, 1,000,000 units. .50 - —
research grade (alpha, 10%; beta, 90%), amps. 100 grams, dlvd..gram. 2.85 - —
50 grams, dlvd.....gram. 2.90 - —
in vegetable oil, 250,000 USP units per gm., bots., works. lb.37.80 - —
50,000 USP units per gm., bots., works..lb. 8.43 - —
dms., works.....lb. 7.68 - —
8,000 A units per gm., tins, works, 1,000,000 units. .55 - —
dms., works, 1,000,000 units. .60 - —
8,300 USP units per gm., dms., works..lb. .66 - .71
Carvol, bots. .....lb.14.75 -22.50
Cascara sagrada bark, bulk..lb. .40 - .43
Case-hardening mixture, 30% gran., dms., l.c.l..lb. .09¾- —
slabs, dms., l.c.l.....lb. .08¾- —
Casein, dom., acid-precip., bgs., 10,000 lbs. or more, ship't point..lb. No prices
2,000 lbs. or more, but under 10,000 lbs., same basis..lb. No prices
less than 2,000 lbs., same basis..lb. No prices
rennet-precip., 10,000 lbs. or more, same basis..lb. No prices
2,000 lbs. or more, but under 10,000 lbs., same basis..lb. No prices
less than 2,000 lbs.....lb. No prices
imp., acid-precip., ground, bgs., 100 bgs. or more..lb. No prices
rennet-precip., unground, 100 bgs. or more..lb. No prices
Cassia, Batavia No. 1, Thinquill bls..lb. .60 Nom.
No. 1, regular, bls.....lb. Nominal
shortstick, bls.....lb. .50 Nom.
broken, bls.....lb. .36 - .37
China buds, bgs.....lb. .33 - .33½
rolls, selected, cs.....lb. .13 - .13¼
extra select, broken, bls..lb. .12½- .13
Kwangsi, broken, bls.....lb. .15½- .16
Saigon, all medium.....lb. .32 - .33
4-10-4, bls.....lb. .35 - .36
broken, bls.....lb. .26 - .27
Yunnan, bls.....lb. .22 - .23
Cassia fistula, bskts.....lb. .26 - .28
Castor beans, bgs., Brazilian ports, long ton.275.00 Nom.
Oil (see Oil, castor).
Pomace, bgs., c.l., works..ton.37.50 - —
Castoreum, nat., cns.....lb. 8.00 -13.00
synthetic, cns.....lb.10.00 -21.00
Catechol, CP, cryst., works, fib. dms..lb. 2.00 - —
resublimed, works, dms....lb. 3.25 - —
Catnep, bls. .....lb. .65 - .70
Celery seed, French, bgs.....lb. .31 - .32
Indian, bgs.....lb. .23½- .24
Celluloid scrap (see Pyroxylin scrap).
Cellulose acetate, flake, ctns., works, frt. alld. on 100 lbs. or more..lb. .36 - —
granules, ctns., same basis.lb. .42 - —
Acetate-butyrate, flake, high (36.5%) butyri content, 50-lb. ctns., 5,000 lbs. and up, frt. alld.....lb. .51 - —
1,000-4,900 lbs. frt. alld..lb. .52 - —
50-lb. ctns., 100-900 lbs., frt. alld..lb. .53 - —
smaller pkgs., works.lb. .54 - —
medium (15.5 or 17.0%), 50-lb. ctns., 5,000 lbs. and up, frt. alld..lb. .49 - —
1,000-4,900 lbs., frt. alld..lb. .50 - —
100-900 lbs., frt. alld..lb. .51 - —
smaller pkgs., works..lb. .52 - —
Granules are 6c. per lb. higher, all quantities.
Triacetate, flake, ctns., works, frt. alld. on 100 lbs. or more..lb. .40 - —
Cerium hydrate, dms., works..lb. 1.00 - —
Oxalate, NF, bbls., kgs., works. lb. .70 - .72
Oxide, optical grade, kgs., 100-lb. lots, works..lb. 1.75 - —
bgs., smaller lots, works.lb. 2.25 - —
Chalk, precipitated, cosmetic, dentifrice, and drug, bgs., c.l., works..lb. .02⅞- —
paint and other industries, bgs., c.l., works..ton.40.00 - —
papermakers, bgs., c.l., works. ton.32.50 -40.00
rubbermakers, bgs., b c.l., works..ton.30.00 - —
Chamomile, Hungarian, cs., futures..lb. .70 - .75
Roman, bls., futures.....lb. 1.40 - 1.45
Charcoal, hardwood, lump, bulk, c.l., works..ton.39.50 -43.50
bur. bgs., extra, returnable. c.l., works..ton.42.50 -45.50
briquets, bulk, c.l., works.ton.49.50 - —
bgs., c.l., works.....ton.54.50 -55.50
granular, bgs., incl., c.l., wks. ton.50.50 - —
screenings, bgs., works...ton.33.50 - —
Pinewood, lump, bgs., c.l., works, South..ton.35.00 - —
granular, powd., bgs., c.l., works, South..ton.40.00 - —
l.c.l., works.....ton.50.00 -60.00
Willow, powd., bbls.....lb. .06 - .07

Chestnut extract, 25% tannin, bbls., c.l., works.....lb. .0435- —
l.c.l., works.....lb. .0460- —
tanks, works.....lb. .0375- —
powdered, 65% tannin, bags extra, c.l., works.....lb. .1040- —
l.c.l., works.....lb. .1115- —
China clay, dom., dry-grd., air-float, 99.75%, 300 mesh, bgs., c.l., works..ton.12.00 - —
l.c.l., works....ton.16.00 - —
bulk, c.l., works.ton. 9.00 - —
200 mesh, bgs., c.l., works..ton.12.00 - —
l.c.l., works.....ton. 9.50-15.50
wet-grd., silk-bolt, 99½%, 325 mesh, bulk, c.l., works..ton. 9.50 - —
paper bgs.. c.l., works.ton.12.50 - —
imported, white, lump, bulk, c.l., ex dock Balto., Boston, Norfolk, Phila..ton.20.00 -22.00
powd., cks., l.c.l., ex whse. ton.45.00 - —
Chloral, dms., works.....lb. .45 - .50
Hydrate, jars.....lb. .93 - .98
Chlorinated rubber, standard, ctns., 100 lbs. up, works.lb. .40 - —
smaller lots, works.....lb. .43 - —
1-lb. bots., ex whse.....lb. 1.25 - —
Chlorine, liquid, cyls., c.l., del. lb. .06¾- —
contracts, del. .....lb. .06¾- —
l.c.l., del. .....lb. .08¾- —
tanks, single units, works, frt. equald..100 lbs. 2.00 - —
multiple units, 3 cars or more, works, frt. equald. 100 lbs. 2.30 - —
2 cars, 2 works, frt. equald..100 lbs. 2.90 - —
1 car, 1 works, frt. equald. 100 lbs. 3.50 - —
Chloroform, tech., dms.....lb. .20 - .23
USP, dms.....lb. .30 - .33

Chloropicrin, com'l, 180-lb. cyls. lb. .80 - —
100-lb. cyls., same basis.lb. .82 - —
25-lb. cyls., ex whse.....lb. 1.00 - —
1-lb. bots., ex whse.....lb. 1.25 - —
Choline chloride, fib. dms., works. lb. 3.00 - 3.10
feed grade, fib. dms., works. lb. 2.00 - —
Dihydrogen citrate, fib. dms., works..lb. 3.00 - 3.10
Chrome acetate, powd., 72% Cr., bbls., works..lb. No stocks
solut., 7½%, bbls., cs.....lb. .09¼- —
8½%, bbls., cs.....lb. .09¾- —
Fluoride, bbls., works.....lb. .24 - .27
Cake, bulk, c.l., works.....ton.16.00 - —
Oxide (see Green, chrome oxide).
Trioxide (see Acid, chromic).
Yellow (see Yellow, chrome).
Chrysarobin, bots.....lb. 6.02 - 8.00
Cinchona bark, red, quill, USP, 10-in., can..lb. 1.26 Nom.
Cinchonidine, small, cryst., cns., 100 ozs..oz. 1.02½- —
Cinchonine, small, cryst., cns., 100 ozs..oz. .75½- —
large, cryst., cns., 100 ozs..oz. .79½- —
sulphate, NF, cns., 100 ozs..oz. .55½- —
Cinchopen, NF, heavy, dms., works..lb. 4.20 - 4.30
standard, dms., works.....lb. 4.00 - 4.10
Cinnamic alcohol (see Alcohol, cinnamic).
Aldehyde, cbys., cns., dms..lb. .82 - 1.25
Cinnamon, Ceylon, No. 2, bls., futures..lb. .80 - .82
Citral, bots., cns.....lb. 7.25 - 9.65
Citronellal, bots., dms.....lb. No prices.
Citronellol, bots., dms.....lb. 5.70 -12.50
Clove, Madagascar, bls.....lb. .14 - .14½
futures, bls.....lb. .14½- .15
Zanzibar, bls.....lb. .16¾- .17¼
Clover tops, red, dom., bgs....lb. .70 - .75
imported, bgs. .....lb. No stocks.

Coaltar, coal-gas, crude, 50 gal., bbls., c.l., works..bbl. 8.25 - 8.50
l.c.l., works.....bbl. 9.50 - —
tanks, works.....gal. .08 - .08¾
refd., 50-gal. bbls., c.l., works. bbl. 8.75 - 9.00
l.c.l., works.....gal. 9.50 - —
tanks, works.....gal. .10 - .10½
Coaltar, water-gas, crude, 55-gal. dms., c.l., works..bbl. 8.50 - —
l.c.l., works .....bbl. 9.00 - —
refd., 55-gal. dms., c.l., works. dm. 9.00 - —
l.c.l., works .....dm. 9.50 - —
Cobalt acetate, bbls., kgs., dlvd. lb. .83¾- —
feed grade, 23¼% Co, kgs..lb. 1.25 - —
Carbonate, powd., bgs., works. lb. 1.56 - —
feed grade, 49½% Co, kgs.lb. 1.85 - —
Chloride, kgs., works.....lb. .87½- —
feed grade, 24.5% Co. kgs.lb. 1.25 - —
Hydrate, bbls.....lb. 2.04 - —
feed grade, 62% Co, kgs....lb. 2.25 - —
Linoleate, paste, 6%, dms...lb. .60 - —
solid, 3½%, dms.....lb. .67 - —
Naphthenate, 18% Co, solid, dms..lb. .35 - —
Nitrate, feed grade, 20.4% Co, kgs..lb. 1.25 - —
Oleate, bbls.....lb. .44 Nom.
Oxide, black, kgs.....lb. 1.84 - —
Phosphate, feed grade, 34% Co, kgs..lb. 1.75 - —
Resinate, precip., 7.5% Co, 100-lb. dms..lb. .38½- —
Soyate, 3%-3.5% Co, 50-gal. dms..lb. .42 - .44
Sulphate, dms.....lb. .65 - —
feed grade, 21% Co, kgs....lb. 1.00 - —
Cobalt salts, feed grade, quotations are f.o.b. Philadelphia, Cleveland or New York.
Cobalt-ammonium sulphate, 14% Co, kgs..lb. .75 - —
Cocaine hydrochloride, 100-oz. lots, cns..oz. 9.75 - —

Spot Deliveries

CAFFEINE, Citrated U.S.P.

PHOSPHORIC ACID U.S.P., Syrupy

CAUSTIC POTASH, Solid

SODA ASH

MAGNESIUM METAL POWDER, High Purity

HEAVY CALCINED MAGNESIA, White

PHOSPHORUS, Red Amorphous

SODIUM PERBORATE, U.S.P.

SODIUM BICHROMATE

TARTARIC ACID U.S.P.

BLEACHING POWDER, High Test

SILVER CYANIDE

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NICKEL OXIDE, etc.

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CHEMICALS CORPORATION

420 LEXINGTON AVENUE • NEW YORK 17, N. Y. • PHONE LE 2-9740

Cochineal, gray, bgs.	lb.	.65 - .66
silver, Teneriffe, bgs.	lb.	.66 - .69
Cocoa butter, bulk, ship. pt.	lb.	.38 - —
Cocillana bark, bgs.	lb.	.53 - .54
Codeine, cns., 100 ozs.	oz.	11.70 - —
Hydrochloride, cns., 100 ozs.	oz.	10.50 - —
Phosphate, cns., 100 ozs.	oz.	9.00 - —
Sulphate, cns., 100 ozs.	oz.	9.50 - —
Codliver oil(see Oil, codliver).		
Cohosh root, black, bls.	lb.	.24 - .25
blue, bls.	lb.	.24 - .25
Colchinine, bots., cns.	oz.	No stocks.
Colchicum seed	lb.	No stocks.
Collodion, USP, dms.	lb.	.24 - .29
Flexible, USP, dms.	lb.	.25½- .30½
Colocynth pulp, bls.	lb.	.52 - .53
Colombo root, bls.	lb.	.17 - .18
Coltsfoot leaves, bgs.	lb.	.50 - .55
Condurango bark, bgs., futures,	lb.	.28 - .29
Copaiba balsam, Para, cns.	lb.	No stocks.
S. A., USP, cns.	lb.	1.10 - 1.15
Copper acetate, cupric, bbls., works	lb.	.28 - —
smaller containers, wks.	lb.	.29 - .30
Carbonate, 52-54%, bbls.	lb.	.23 - .24
Chloride, anhyd., bbls.	lb.	.25½- —
crystals, bbls.	lb.	.17 - —
Cyanide, tech., bbls.	lb.	.40½- —
Hydrate, dms.	lb.	.25 - .25½
Metal, electrolytic	lb.	.19½- —
Naphthenate, 8% Cu, liquid, dms., dlvd.	lb.	.20½- —
solid, dms., dlvd	lb.	.34 - —
Nitrate, tech., cryst., bbls., wks.	lb.	.19½- .20½
Oleate, precip., bbls.	lb.	.22½- .23½
Oxide, black, bbls., works	lb.	.25 - —
red, com'l, bbls., works	lb.	.26 - —
Oxychloride-sulphate, bgs.	lb.	.17 - .30
Resinate, precip., 8.5% Cu, 125-lb. dms.	lb.	.20½- —
Stearate, bgs., works.	lb.	.35½- —
Sulphate, 99%, cryst., bgs., c.l., works, 100 lbs.		7.10 - —
l.c.l., 100 to 36,000 lbs., 100 lbs.		7.35 - 8.10
Copper sulphate, monohydrated, dms., c.l., dlvd.	100 lbs.	12.10 - —
l.c.l., dlvd.	100 lbs.	12.95 - —
tribasic, bgs., works, c.l.	lb.	.20½- .21½
l.c.l., same basis	lb.	.21½- .22
Copperas, cryst., gran., bgs., c.l., works	ton.	17.00 - —
l.c.l., works	100 lbs.	1.55 - 2.00
bbls., c.l., works	ton.	20.00 - —
bulk, c.l., works	ton.	14.00 - —
Copra, c.i.f. Pacific ports	ton.	214.00 -217.00
c.i.f. Atlantic or Gulf ports,	ton.	220.00 -223.00
Coriander seed, Argentine, bgs.,	lb.	.05¾- .06¼
Indian, bgs.	lb.	No stocks
Italian, bgs.	lb.	.06¼- .06¾
Morocco, bgs.	lb.	No stocks
Peruvian, bgs.	lb.	.07 - .07½
Corn silk, bls.	lb.	.55 - .60
Corn sugar, tanners, chipped, bgs., c.l., 60,000 lbs. min.	100 lbs.	4.44 - —
bbls., c.l., same basis	100 lbs.	4.48 - —
Syrup, 42°, bbls., c.l.	100 lbs.	4.80 - —
l.c.l.	100 lbs.	4.95 - —
Corrosive sublimate, USP, cryst., dms., 50 lbs. or more	lb.	2.07 - —
gran., powd., dms., 50 lbs. or more	lb.	1.92 - —
Cottonroot bark, bls.	lb.	.40 - .45
Cottonseed hull ash, 32-36% pot-ash, bgs., dlvd.	unit-ton.	No prices
Meal, 41% protein, bulk, mills, southeast, c.l.	ton.	57.00 -58.00
Coumarin, cns., 5 lbs. or more.	lb.	2.75 - 3.25
smaller lots.	lb.	2.90 - 3.30
Cramp bark, NF, bls.	lb.	.75 - .80
Cream of tartar, dom., USP, gran. or powd., bbls., 5,000 lbs. one ship't.	lb.	.45½- —
smaller lots, bbls., kgs.,	lb.	.46 - .46½
Creosote carbonate, bots., cbys.,	lb.	2.30 - 2.40
Coaltar (see Cresol).		
Oil, coaltar, crude, tanks works	gal.	.17 - .17½
Creosote oil, refined, dms., c.l., works	gal.	.26½- .34½
l.c.l., same basis	gal.	.29 - .39
tanks, same basis	gal.	.20 - .21
solution, tanks, works	gal.	.156 - .16
Wood beech, bots., cbys.	lb.	1.05 - 1.10
Hardwood, N.F., bots., cbys.	lb.	.80 - .97
Pine, dms.	gal.	.31 - .32
Cresol, special resin grades, dms., c.l., works, frt. equald.	lb.	.12¼- .13½
l.c.l., same basis	lb.	.13 - .13¾
tanks, same basis	lb.	.11¾- .12½
USP, dms., c.l., same basis.	lb.	.13¼- .13¾
l.c.l., same basis	lb.	.13¾- .14¼
tanks, same basis	lb.	.12½- .13
Crotonaldehyde, 91-93%, 55 and 110 gal. dms., l.c.l., works.	lb.	.17 - —
5 and 10-gal. dms., l.c.l. works	lb.	.20½- —
Cryolite, dealers, nat., bgs., bbls., c.l., works	100 lbs.	.12¾- —
bbls., l.c.l., works	100 lbs.	.14 - —
synth., bgs., bbls., c.l., frt. alld. E. of Miss. R.	lb.	— - —
l.c.l., works	lb.	— - —
Cube root, 5% rotenone, bbls., works	lb.	.45 - —
4% rotenone, bbls., works	lb.	.36 - —
Cubeb berries, XX, bgs.	lb.	.85 - .90
powd., cs.	lb.	1.10 - 1.20
Culvers root, bls.	lb.	.70 - .75
Cumin seed, Cyprus, bgs.	lb.	No stocks
Indian, bgs., futures	lb.	.40 - .41
Morocco, bgs	lb.	No stocks
Persian, bgs.	lb.	.31½- .32
Syrian, bgs.	lb.	.31½- .32
Cutch, bgs.	lb.	No stocks
Cyanamide, fertilizer mixing grades, guaranteed 20.6% N., gran., bulk, Niagara Falls, Ont., contracts, bulk,	unit-ton.	1.85 - —
21% N., pulv., bgs., same basis	unit-ton.	1.75 - —
Cyclohexane, tech., dms., c.l., works	lb.	.09 - —
l.c.l., works	lb.	.09¼- —
tanks, works	lb.	.08 - —
Cyclohexanol, 99%-100%, dms., works.	lb.	.21 - .23
Cyclohexanone, 97½% min., dms., c.l., works.	lb.	.30 - .32
tech., dms., c.l., works	lb.	.30 - —
l.c.l., works	lb.	.30¼- —
tanks, works	lb.	.29 - —
Cyclopropane, USP, cyls. dlvd.,	gal.	.27 - —

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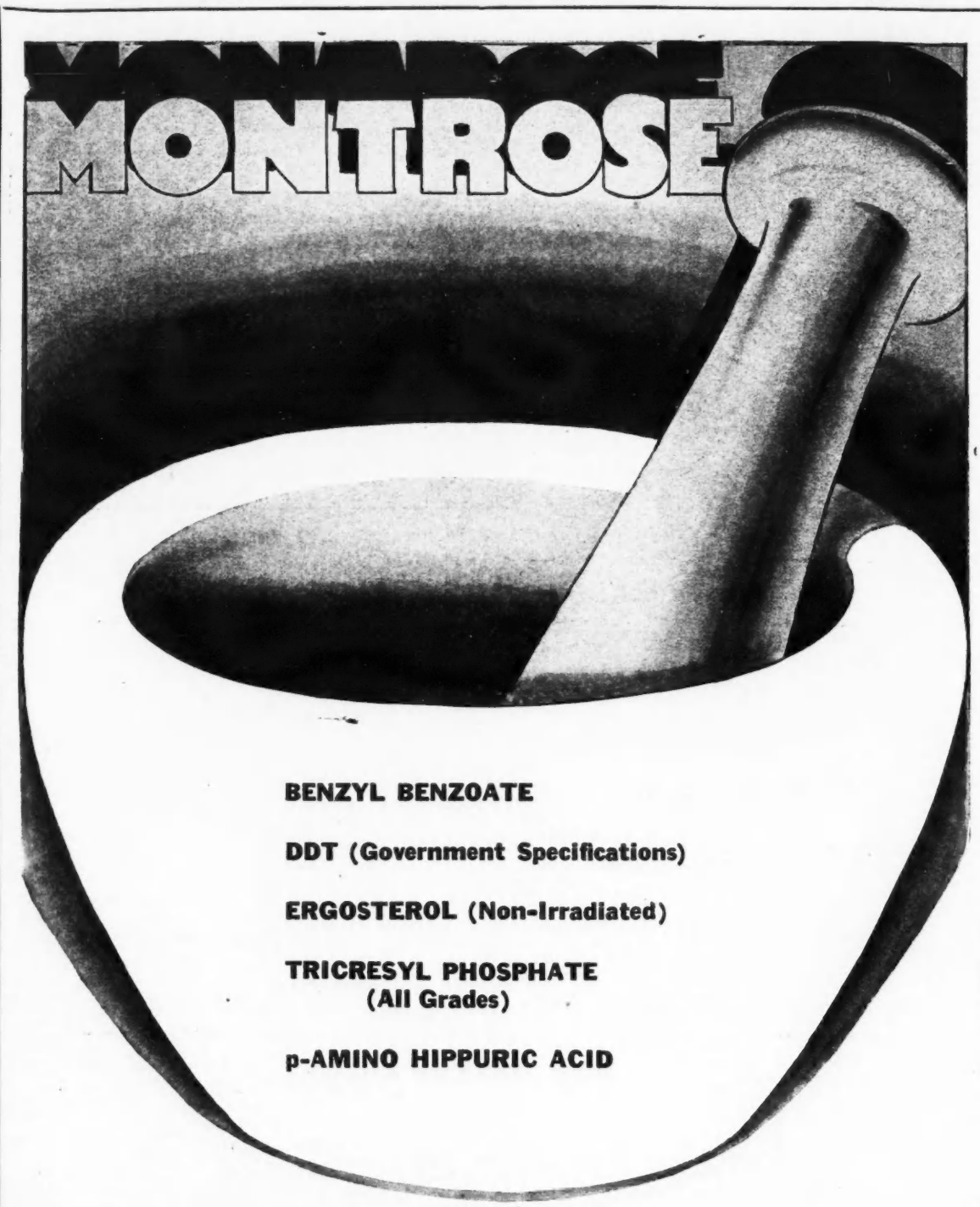
Damiana leaves, bls.	lb.	.35 - .40
Dandelion root, bls.	lb.	.75 - .90
DDT, fiber, dms., c.l., works.	lb.	.42½- —
ton lots, works	lb.	.45 - —
tins, smaller lots, works.	lb.	.48 - .50
dlvd.	lb.	.35 - —
Decanol, normal, tech., dms.,		
Deertongue, bls.	lb.	.35 - .40
Defluorinated phosphate, paper bgs., works.	ton.	35.75 - —
Degras, common, bbls.	lb.	.10 - .12
neutral, less 2% ffa, bbls.	lb.	.22 - .24
over 2% ffa, bbls.	lb.	.21 - .23
Derris root (see Cube root).		
Dextrin, British gum, bgs., c.l., 100 lbs.		5.60 - —
l.c.l.	100 lbs.	5.75 - —
Chicago, bgs., c.l.	100 lbs.	5.15 - —
Corn, canary, bgs., c.l.	100 lbs.	5.34 - —
l.c.l.	100 lbs.	5.49 - —
Chicago, bgs., c.l.	100 lbs.	4.80 - —
dark, bgs., c.l.	100 lbs.	5.44 - —
l.c.l.	100 lbs.	5.59 - —
Chicago, bgs., c.l.	100 lbs.	4.90 - —
white, bgs., c.l.	100 lbs.	5.19 - —
l.c.l.	100 lbs.	5.34 - —
Chicago, bgs., c.l.	100 lbs.	4.74 - —
Dextrin prices above are for paper bags; cotton bags quoted 20c. higher.		
Potato, dom., bgs., c.l.	lb.	.13½- —
l.c.l.	lb.	.14 - —
Diacetone (see Alcohol, diacetone).		
Diacetyl, flavor grades, bots.	lb.	5.20 - 5.55
laboratory grade, bots.	100 grams.	4.50 - —
tech., bots., works	lb.	3.00 - —
Diamyl ether (see Amyl ether).		
Phthalate, dms., tanks.	lb.	No prices.
Diamylamine, dms., c.l., works,	lb.	1.47 - —
l.c.l., works	lb.	1.50 - —
Dianisidine, dms.	lb.	1.38 - —
Diatomaceous earth, dom., bgs., c.l., Atlantic Coast.	lb.	.07 - —
l.c.l., ex whse.	lb.	.10 - .16
nat., bgs., c.l., Pacific coast,	ton.	22.00 -25.00
l.c.l., ex whse.	ton.	45.00 - —
purified, bgs., c.l., Atlantic coast.	ton.	55.00 -59.00
l.c.l., ex whse.	ton.	85.00 -90.00
imported, Algerian, bgs., c.l., Atlantic coast.	ton.	No prices.
Mexican, white, bgs., c.l., Atlantic coast.	lb.	.03 - —
l.c.l.	lb.	.06 - —
Dibutyl phthalate, 5-gal. cns., frt. alld. E. of Rockies.	lb.	.33½- —
1-gal. cns., same basis.	lb.	.35½- —
dms., c.l., same basis	lb.	.29½- —
l.c.l., same basis	lb.	.30 - —
tanks, same basis	lb.	.28 - —
Dibutyl sebacate, dms., c.l., works.	lb.	.5570- —
l.c.l., works	lb.	.5626- —
tanks, works	lb.	.5470- —
Tartrate, dms., wks., frt. alld.	lb.	.92 - 1.02
Dibutylamine, dms., c.l., works,	lb.	.76 - —
l.c.l., works	lb.	.79 - —
Dichlorodiphenyltrichloroethane (see DDT).		
Dichloroethyl ether, purified, dms., c.l., works, frt. equald with So. Charleston.	lb.	.13½- —
l.c.l., same basis.	lb.	.14 - —
tanks, same basis	lb.	.12¼- —
Diethanolamine, dms., c.l., frt. alld. in E.	lb.	.23½- —
l.c.l., same basis	lb.	.24½- —
tanks, same basis	lb.	.22½- —
Diethyl carbonate, dms., l.c.l.	lb.	.40 - —
Oxalate, dms., c.l.	lb.	.33 - —
l.c.l.	lb.	.33½- —
tanks	lb.	.32 - —
Phthalate, dms., c.l., dlvd.	lb.	.28 - .33
tanks, dlvd.	lb.	.27 - .37
Sulphate, dms., c.l., works.	lb.	.14 - —
l.c.l., works.	lb.	.15 - —
tanks, works	lb.	.13 - —
Diethylamine, dms., c.l., works,	lb.	.54 - —
l.c.l., works	lb.	.56 - —
tanks, works	lb.	.50 - —
Diethylaminoethanol, dms., l.c.l., works, frt. alld. E. of Miss. R.	lb.	.75 - —
Diethylanilin, dms.	lb.	.48 - —
Diethyleneglycol, dms., c.l., frt. alld. in E.	lb.	.14 - —
l.c.l., same basis.	lb.	.15 - —
tanks, same basis.	lb.	.13 - —
Monobutylether, dms., c.l., wks.	lb.	.22 - —
l.c.l., works	lb.	.23 - —
tanks, works	lb.	.21 - —
Monoethylether, dms., c.l., wks.	lb.	.15½- —
l.c.l., works	lb.	.16½- —
tanks, works.	lb.	.14½- —
Digitalis leaves, dms.	lb.	1.05 - 1.15
Diglycol laurate, dms.	lb.	.31 - .32
Oleate, light, bbls., c.l.	lb.	.17 - —
Stearate, bbls., c.l.	lb.	.23 - —
Dihydroxydichlorodiphenylmethane, dms., works of N.Y. met.	lb.	.95 - 1.00
smaller containers, same basis.	lb.	1.05 - 1.40
Di-isobutyl ketone, dms., works.	lb.	.19 - —
Dillseed, decorticated, bgs.	lb.	.14 - .14½
dewhiskered, bgs.	lb.	.11½- .12
Dimethyl phthalate, dms., c.l., dlvd.	lb.	.20 - —
l.c.l., dlvd.	lb.	.20¼- —
tanks, dlvd.	lb.	.19 - —
Dimethylamine, anhyd., cyl., frt. alld. E. of Miss., 100% basis.	lb.	.40 - —
solution, dms., works, frt. alld. E. of Miss., 100% basis.	lb.	.37 - .47½
tanks, same basis.	lb.	.36 - —
Dimethylanilin, dms., c.l.	lb.	.20 - —
l.c.l.	lb.	.22 - —
Dinitrobenzene, bbls.	lb.	.16 - —
Dinitrochlorobenzene, dms.	lb.	.14 - —
Dinitronaphthalene, kgs.	lb.	.33 - .38
Dinitrophenol, bbls.	lb.	.22 - —
Dinitrotoluene, rfd., dms.	lb.	.18 - —
oily, dms.	lb.	.05 - —
Diorthotolylguanidin, dms., ten lots, dlvd.	lb.	.44 - —
smaller lots, dlvd.	lb.	.46 - .47
Dioxan, dms., c.l., frt. alld.	lb.	.20 - —
l.c.l., same basis.	lb.	.21 - —
tanks, same basis.	lb.	.19 - —
Dip oil (see Tar acid oil).		
Dipentene, destructive dist., dms., extra, wks., South, c.l.,	gal.	.66 - —
tanks, wks., South	gal.	.60 - —
steam dst., dms.	gal.	.80 - —
tanks, dlvd. E.	gal.	.77 - —



MONTROSE *Chemical Company*
LISTER AVENUE, NEWARK, NEW JERSEY
SELLING AGENTS R. W. GREEFF & CO., INC. 10 ROCKEFELLER PLAZA, NEW YORK, N.Y.
TRIBUNE TOWER, CHICAGO, ILLINOIS

Diphenyl, bbls., c.l., works....lb. .15 - —
l.c.l., works.....lb. .16 - .20
Oxide, perfume grade, cns...lb. .60 - .61
dms. .....lb. .45 - .56
Diphenylamine, bbls.....lb. .25 - —
Diphenylguanidin, dms., tons..lb. .35 - —
smaller lots.....lb. .36 - .37
Divi-divi, 38% tannin, c.l., U.S. ports, ex dock..ton.68.00 -60.00
Doggrass root, dom., cut, bls.lb. .30 - .35
imp., NF, cut, bls.....lb. .40 - .45
Dogwood, Jamaica, bark, bls..lb. .12 - .14
Dover's powder, USP, cns....lb. No stocks
Dragon's blood, drops, cs.....lb. .55 - .60
reeds, cs.....lb. No stocks

Dyes, coaltar (certified colors for foods, drugs and cosmetcs). 5-lb. lots)—

Blue, FD&C, No. 1, cns....lb.13.00 - —
Green, FD&C, No. 1, cns....lb.13.00 - —
No. 2, cns.....lb.17.00 - —
No. 3, cns.....lb.27.00 - —
Orange, FD&C, No. 1, cns..lb. 2.80 - —
No. 2, cns..... ....lb. 3.55 - —
Red, FD&C, No. 1, cns.....lb. 5.75 - —
No. 2, cns.....lb. 3.05 - —
No. 3, cns.....lb.17.00 - —
No. 4, cns.....lb. 5.50 - —
No. 32, cns.....lb. 4.05 - —
Yellow, FD&C, No. 1, cns..lb. 5.00 - —
No. 3, cns.....lb. 2.55 - —
No. 4, cns.....lb. 2.55 - —
No. 5, cns.....lb. 3.05 - —
No. 6, cns.....lb. 3.05 - —

Dyes, coaltar (certified colors for drugs and cosmetics), 1-lb. lots—

Black, D&C, No. 1, cns.....lb. 8.35 - —
Blue, D&C, No. 4, cns.....lb.12.35 - —
Brown, D&C, No. 1, cns.....lb.12.35 - —
Green, D&C, No. 5, cns....lb.12.35 - —
No. 6, cns.....lb.12.35 - —
Orange, D&C, No. 5, cns....lb. 8.35 - —
No. 4, cns.....lb.15.35 - —
No. 10, cns.....lb.15.35 - —
Red, D&C, No. 8, cns.....lb 2.85 - —
No. 17, cns.....lb. 8.35 - —
No. 18, cns.....lb.15.35 - —
Yellow, D&C, No. 7, cns....lb. 8.35 - —
No. 8, cns.....lb. 8.35 - —
No. 11, cns.....lb.10.35 - —
No. 19, cns.....lb.15.35 - —
No. 22, cns.....lb. 8.35 - —
No. 33, cns.....lb.13.35 - —
No. 37, cns.....lb.12.35 - —

Dyes, coaltar (certified colors for external use druga and cosmetics), 1-lb. lots—

Blue Ext. D&C, No. 1, cns..lb.12.35 - —
Green, Ext., D&C, No. 1, cns. lb.12.35 - —
Red, Ext. D&C, No. 1, cns..lb.10.35 - —
No. 3, cns.....lb.21.65 - —
No. 8, cns.....lb. 7.85 - —
No. 10, cns.....lb.12.35 - —
No. 13, cns.....lb.12.35 - —
Yellow, Ext. D&C, No. 1, cns.. lb. 8.35 - —

Dyes, coaltar, for general uses (number are those of Colour Index scale)—

86 Chrome yellow, 2G...lb. .65 - .70
40 Chrome yellow R.....lb. .50 - 1.00
53 Victoria violet.....lb. .80 - 1.00
165 Lake red C.....lb. .70 - .80
170 Fast red A.....lb. .56 - .60
180 Fast red VR.....lb. 1.50 - 1.60
189 Lake red R, paste..lb. .85 - .90
189 Lake red R, powd....lb. 3.00 - 3.10
202 Chrome blue black U.lb. .35 - .42
204 Chrome black A.....lb. .42 - .45
208 Fast red bllue R.....lb. .75 - 2.00
216 Chrome red B.....lb. 1.75 - 2.00
262 Cloth red 2B.....lb. .90 - .80
289 Fast cyanin 5R.....lb. .90 - 1.00
299 Chrome black F.....lb. .85 - .88
304 Paper yellow.....lb. .88 - .90
307 Fast cyanin black B.lb. .80 - .85
326 Direct fast scarlet...lb. 2.00 - 2.25
365 Chyrophenin G.....lb. .58 - .70
382 Direct scarlet B.....lb. 1.15 - 1.20
387 Direct violet B.....lb. 1.00 - 1.30
394 Direct violet N .....lb. .80 - .95
401 Developed black BHN, lb. .45 - .60
406 Direct blue 2B.....lb. .68 - .70
415 Direct orange B.....lb. .60 - .70
419 Direct fast red F....lb. .70 - .73
420 Direct brown M .....lb. .55 - .57
448 Benzo purpurin 4B...lb. .65 - .68
465 Benzo purpurin 10B..lb. .40 - .50
502 Direct azorin G.....lb. .75 - .80
512 Direct blue RD.....lb. .80 - 1.00
518 Direct pure blue 6B..lb. 1.20 - 1.30
520 Direct pure blue.....lb. .50 - 1.00
529 Direct fast black FF.lb. .55 - 1.00
581 Direct black EW.....lb. .50 - .54
582 Direct black RX.....lb. .35 - .45
592 Direct green B.....lb. .50 - .55
594 Direct green G.....lb. .50 - .55
596 Direct brown 3GO...lb. .85 - 1.00
620 Direct yellow R.....lb. 1.25 - 1.50
688 Acid violet.....lb. 1.00 - 3.00
812 Primulin .....lb. .70 - .73
814 Direct fast yellow....lb. 2.00 - 2.25
945 Nigrosin (water soluble). lb. .35 - .50
1177 Indigo, 20%, paste....lb. .15 - .18
Benzo fast black L.lb. .90 - 1.00
Sulphur black.....lb. .20 - .25
Sulphur blue.....lb. .45 - 1.00
Sulphur brown.....lb. .25 - .50
Sulphur maroon....lb. .40 - —
Sulphur tan.....lb. .30 - .50
Sulphur olive.....lb. .25 - .54
Sulphur yellow.....lb. .30 - .50
Zambesi black.....lb. .75 - .80

Dyes, coaltar, for stains, oil-soluble (prices E. in barrels of 250 lbs. each; 25 lb. lots and up, 3c. per lb. higher, sellers' works or warehouse).

Black—
865 Nigrosin derivatives..lb. .36 - .44
Blue—
7075 Alizarin astral base..lb.15.00 - —
1073 Alizarin cyanin, green base..lb. 6.00 - —
Brown—
Brown, oil soluble.....lb. 1.15 - —
Green—
1078 Alizarin cyanin green base..lb. 5.00 - —
Orange—
24 Sudan I.....lb. .75 - —
Red shade.....lb. .75 - —
Red—
75 Sudan II.....lb. 1.05 - —
258 Sudan IV.....lb. .85 - —
680 Oil violet.....lb. .60 - —
749 Rhodamine B (oil pink). lb. 2.50 - —
1060 Anthraquinone, violet base..lb. 6.00 - —
Yellow—
16 Amidoazobenzene yellow. lb. .90 - —
17 Amidoazotoluene yellow. lb. .75 - —
61 Yellow OB.....lb. 1.40 - 2.00

Dyes, coaltar, for stains, spirit-soluble (prices in barrels of 250 lbs. each; 25-lb. lots and up. 3c. per lb. higher, sellers' works or warehouse).

Black—
246 Naphthol blue black S.. lb. .50 - —
729 Victoria blue B.....lb. 1.85 - —
861 Indulin .....lb. .87 - —
878 Methylene gray.....lb. 1.50 - —
909 New blue P.....lb. 1.20 - —
922 Methylene blue.....lb. 1.00 - —
1054 Alizarin saphirol B..lb. 1.90 - —
1130 Indigotin IA.....lb. .85 - —

Dyes, coaltar, for stains, spirit-soluble (prices in barrels of 250 lbs. each; 25-lb. lots and up, 3c. per lb. higher, sellers' works or warehouse).

Blue—
714 Patent blue A.....lb. 1.05 - 1.10
Brown—
231 Bismarck brown G...lb. .47 - .62
234 Resorcin brown Y....lb. .65 - —
235 Resorcin dark brown R. lb. .65 - —
632 Bismarck brown R...lb. .47 - .62
793 Phosphin .....lb. 4.65 - —
Green—
5 Naphthol green B....lb. 1.00 - —
657 Malachite green.....lb. 1.35 - —
662 Brilliant green.....lb. 2.00 - —
666 Guinea green B.....lb. 1.15 - —
737 Wool green S.....lb. .58 - —
924 Methylene green B....lb. 1.55 - —
1078 Alizarin cryanin green.. lb. 2.00 - —
Orange—
10 Chrysodin G.....lb. .44 - —
21 Chrysodin R.....lb. .41 - —
27 Orange G.....lb. .50 - —
31 Amidonaphthol red G.lb. .42 - —
37 Amidonaphthol red 6B. lb. .68 - —
151 Orange Y.....lb. .31 - .32
161 Orange R.....lb. .34 - —
Red—
79 Ponceau R.....lb. .48 - —
88 Fast red B.....lb. 1.65 - —
176 Fast red A.....lb. .54 - —
179 Azorubin .....lb. .60 - —
183 Crocein scarlet 3BX..lb. .72 - .75
185 Cochineal red A.....lb. .60 - —
252 Brilliant crocein M...lb. .68 - —
677 Fuchsin .....lb. 2.10 - —
749 Rhodamine B.....lb. 3.50 - —
752 Rhodamine 6B.....lb. 4.50 - —
768 Eosin G.....lb. 1.50 - —
841 Safranin .....lb. 1.45 - —

Dyes, coaltar, for stains, spirit-soluble (prices in barrels of 250 lbs. each; 25-lb. lots and up, 3c. per lb. higher, sellers' works or warehouse).

Violet—
680 Methyl violet B.....lb. .70 - .75
681 Crystal violet B.....lb. 1.75 - —
695 Acid violet 4BN.....lb. .88 - —
Yellow—
10 Naphthol yellow S....lb. .83 - —
138 Metanil yellow.....lb. .56 - .58
636 Fast light yellow.....lb. 1.25 - —
639 Xylene light yellow...lb. 1.15 - —
640 Tartarsin .....lb. .80 - —
655 Auramine .....lb. 1.27 - —

Dyes, coaltar, for stains, water-soluble (prices E. in barrels of 250 lbs. each; 25-lb. lots and up, 3c. per lb. higher, sellers' works or warehouse).

Black—
364 Nigrosin .....lb. .36 - .44
Blue—
860 Indulin .....lb. .60 - .70
Brown—
331 Bismarck brown.....lb. 1.50 - —
Green—
637 Malachite, green base.. lb. 2.00 - —
Orange—
20 Chrysoidin G.....lb. .95 - —
Red—
677 Fuchsin, magenta, base, lb. 7.25 - —
749 Rhodamine R.....lb. 4.75 - —
Yellow—
67 Amidoazotoluene yellow. lb. .75 - —
655 Auramine .....lb. 2.00 - —
800 Chinolin yellow SS...lb. 2.00 - —
Violet—
680 Methyl violet base...lb. .85 - —

Dyes, natural (see name of article).

E

Echinacea root, bls.....lb. .70 - .75
Egg, albumen (see Albumen).
Yolk, dried, dom., bbls.....lb. 1.15 - 1.25
imported .....lb. No stocks
Elder flowers, bright, bls.....lb. .75 - .80
Elecampane root, bls.....lb. .45 - .50
Elm bark, grinding, bls.....lb. .35 - .36
powd., bbls., bxs.....lb. .55 - .56
select, bndls.....lb. .55 - .56
Emetine hydrochloride, bots...oz.53.50 -54.00
Ephedra, bls.....lb. .28 - .30
Ephedrine, synthetic, USP anhydrous, bots, 100-oz. lots..oz. .84 - —
hydrous, bots., 100-oz. lots. oz. .78 - —
Hydrochloride, tin..100 gms.oz. .60 - —
Sulphate, cryst., tins, 100 ozs. oz. .57 - —
powd., tins, 100-oz. lots..oz. .58 - —
Epinephrine, synth., USP, bots.. gram. .70 - .95
Epsom salt, tech., cryst., bgs., c.l..100 lbs. 2.05 - —
l.c.l. .....100 lbs. 2.40 - 2.65
USP, cryst., bgs., c.l..100 lbs. 2.25 - —
l.c.l., 5,000 lbs., 1 withdrawal..100 lbs. 2.50 - —
smaller lots.....100 lbs. 2.75 - —
bbls. c.l. .....100 lbs. 2.35 - —
l.c.l., 5,000 lbs., 1 withdrawal..100 lbs. 2.60 - —
smaller lots.....100 lbs. 2.85 - —
kgs., c.l.....100 lbs. 2.60 - —
l.c.l., 5,000 lbs., 1 withdrawal..100 lbs. 2.85 - —
smaller lots.....100 lbs. 3.10 - —

Epsom salt prices freight equalized with Balto., Carteret, N. J.; Chicago, Cincinnati, Cleveland, Houston, New Orleans, New York.

SPENSOL
SPENCER NITROGEN SOLUTIONS
delivers

Ahead of Schedule...

Closer than ever Analysis

New SPENSOL is now available to the fertilizer industry with "ahead of schedule" service and supply.

Nitrogen, the essential plant food, combined with oxygen and hydrogen by Spencer's "know-how" in giving special attention to accuracy and detail in manufacture... results in SPENSOL, the new, outstanding quality solutions for fertilizer mixers.

• **AHEAD OF SCHEDULE!** The *first* car of SPENSOL leaves Spencer Chemical Company 6 *days ahead of schedule* . . . a good omen of Spencer's new, improved *service* and dependable *supply* for fertilizer Mixers.

COMPOSITION OF SPENSOL A (SPENCER NITROGEN SOLUTIONS)

	Ammonium Nitrate %	Anhydrous Ammonia %	Total Nitrogen %	Approx. Sp. Grav. at 60° F.
SPECIFICATIONS	65.0	21.7	40.6	1.142
ACTUAL ANALYSIS*	64.99	21.8	40.68	1.142

* Analysis certified by Bruce Williams' Laboratories, Joplin, Missouri

Spencer Chemical COMPANY

FERTILIZER

General and Sales Offices: Dwight Building, Kansas City 6, Mo.
Works: Pittsburg, Kansas

Ergot, USP, cns.....lb. 1.55 - 1.60
Eserine, bots.....oz. No prices
Sulphate, bots.....oz. 65.00 - —
Ether, acetic (see Ethyl acetate).
Amyl (see Amyl ether).
Butyl, l.c.l., dms., dlvd.....lb. .30 - —
Ethyl (see Ether, sulphuric).
Nitrous, cons., bots., 100 lbs..lb. .98 - 1.10
Sulphuric, cons., dms.....lb. .11 - .16
USP anesthesia, hospital, 1-lb. cns..lb. .74 - .75
Synthetic, dms., c.l., frt. alld. lb. .17 - —
l.c.l., same basis.....lb. .18 - —
tanks, same basis.....lb. .15 - —
Ethyl acetate, natural, fermentation, 85-88%, dms., c.l., frt. alld..lb. .20 - —
l.c.l., frt. alld.....lb. .20½- —
tanks, frt. alld.....lb. .19 - —
95-98%, dms., c.l., frt. alld. lb. .21 - —
l.c.l., frt. alld.....lb. .21½- —
tanks, frt. alld.....lb. .19½ —
99%, dms., c.l., frt. alld. lb. .21 - .21¼
l.c.l., frt. alld.....lb. .21½- .21⅝
tanks, frt. alld.....lb. .19½ .19⅝
USP, dms.....lb. .21¾- —
synthetic, 85-90%, dms., c.l., frt. alld..lb. .19½- —
l.c.l., frt. alld.....lb. .11 - —
tanks, frt. alld.....lb. .09½- —
95-98%, dms., c.l., frt. alld. lb. .11 - —
l.c.l., frt. alld.....lb. .11½- —
tanks, frt. alld.....lb. .10 - —
Acetoacetate, dms., c.l., works. lb. .50 - —
l.c.l., frt. alld.....lb. .50½- —
Benzoate, bots.....lb. .50 - .52
B-ethoxy propionate, dms., works..lb. .70 - —
Bromide, tech., 98%+, dms..lb. .36 - .40
Carbamate, dms., dlvd. E...lb. .58 - —
Chloride, tech., tanks.....lb. .13½- —
USP, bbls., cyl.....lb. .20 - .22
Cinnamate, cns.....lb. 3.65 - 3.85
Formate, dms., Agnue, Calif..lb. .26 - .32
Iodide, bots.....lb. 3.50 - 3.60
Lactate, dms., works.....lb. .38½- —
Myristate, dms., works.....lb. No prices
Oenanthate, dms.....lb. 1.10 - 1.15
Oleate, dms., l.c.l., works..lb. .47 - —
Oxalate, dms., frt. alld...lb. .33 - —
Silicate, dist. (see Tetraethyl orthosilicate).
Silicate, dist. (see Tetraethyl orthosilicate). 40% available SiO_2, dms., works..lb. .50 - —
Ethylcellulose, pkgs., 5,000 lbs., or more, works..lb. .50 - —
smaller lots, works.....lb. .52 - .60
Ethyldiethanolamine, dms., l.c.l., works..lb. .80 - —
Ethylene, dichloride, dms., c.l., works, frt. alld. E. of Rockies..lb. .08 - —
West of Rockies.....lb. .08½- —
l.c.l., works, frt. alld. E. of Rockies..lb. .09 - —
West of Rockies.....lb. .09½- —
tanks, frt. alld. E. of Rockies, lb. .07 - —
West of Rockies.....lb. .07½- —
Trichloride (see Trichloroethane).
Ethyleneglycol, dms., c.l., frt. alld. in E..lb. .10 - —
l.c.l., same basis.....lb. .11 - —
tanks, same basis.....lb. .09 - —
Monobutylether, dms., c.l., wks. lb. .17½- —
l.c.l., works.....lb. .18½- —
tanks, works .....lb. .16½- —
Monoethylether, dms., c.l., works..lb. .15½- —
l.c.l., works .....lb. .16½- —
tanks, works .....lb. .14½- —
Monoethylether, acetate, dms., c.l., works..lb. .18½- —
l.c.l., works .....lb. .14½- —
tanks, works .....lb. .12½- —
Monomethylether, dms., c.l., works..lb. .16½- —
l.c.l., works .....lb. .17½- —
tanks, works .....lb. .15½- —
Ethylethanolamine, dms., c.l., works..lb. .57 - —
l.c.l., works .....lb. .60 - —
Ethylmonoethanolamine, l.c.l., dms., works..lb. .80 - —
Ethylmorphine, hydrochloride, bots..oz. 10.50 -10.75
Ethylvanillin, cns., 5 lbs. or more..lb. 6.75 - —
smaller lots .....lb. 6.80 - 6.90
Eucalyptol, cns., dms.....lb. 2.85 - 3.25
Eucalyptus leaves, bls.....lb. .14 - .15
Eugenol, prime, USP XII....lb. 2.60 - 3.50
Euphorbia, bls. .....lb. .20 - .22

F

Feldspar, enamel, 100 mesh..ton. 17.00 -20.50
bulk, c.l. .....ton. 14.00 -17.50
glass, 20 mesh, bgs., works, min. 2 tons..ton. 12.75 -16.25
bulk, c.l. .....ton. 9.75 -12.25
pottery, bgs., l.c.l., works, min. 2 tons..ton. 20.00 -22.00
bulk, c.l., works...ton. 17.00 -19.00
Fennel seed, Argentine, bgs., futures..lb. .13 - .13½
Indian, bgs., afloat.....lb. .26 - .26½
Fenugreek, domestic, bgs.....lb. No stocks
Indian, bgs. .....lb. .11½ Nom.
Morocco, bgs. .....lb. .11½ Nom.
Ferric sulphate (see Iron sulphate, ferric).
Film scrap, colored, cs., works..lb. .13½- .15
water-white, cs., works.....lb. .14½- .17
Fir balsam, Canada, cns....gal. 2.20 -2.50
Oregon, bbls.....gal. 2.65 - 2.70
Fishberries, bgs. .....lb. .24 - .25
Fishliver oils (see Oil, fishliver).
Fishmeal, grd., 60% protein, bgs., E. works..ton. 135.00 - —
65% protein, bgs., E. works, ton. 135.00 - —
Fishscrap, dried, 60% protein, bulk, East coast..ton. 125.00 -130.00
Flake white, bbls.....lb. .09 - —
kegs .....lb. .11 - —
Fleaseed, black, bgs.....lb. .55 - .60
Blonde, bgs.....lb. .31 - .33
Fluorspar, No. 1, ground, 95-98% CaF_2 bulk, c.l., mines, net ton. 37.00 - —
washed, gravel, 70% or more CaF_2, c.l., bulk, mines, ton. 33.00 - —
65%, c.l., bulk, mines....ton. 32.00 - —
60%, c.l., bulk, mines....ton. 31.00 - —
less than 60%, c.l., bulk, mines..ton. 30.00 - —
Formaldehyde, bbls., c.l., works, lb. .0595- —
l.c.l., works.....lb. .0645- —
dms., extra, c.l., works.....lb. .0495- .0580
l.c.l., works.....lb. .0545- .0630
tanks, works.....lb. .0320- .0420
tanktrucks, dlvd., N.Y.C....lb. .0345- —
Fringetree bark, bls.....lb. .75 - .76
Fuller's earth, dom., powd., bgs., c.l., Fla., Ga. mines..ton. 8.50 -15.00
Tex. mines.....ton. 12.50 - —
spent, bulk, Bayonne...ton. 3.00 - —
imp., bgs., c.l.....ton. 30.00 -40.00
Furfural, ref., dms., c.l., works. lb. .15½- —
cns., dms., l.c.l., works....lb. .18½- .25½
tech., dms., c.l., works....lb. .13 - —
l.c.l., cns., dms.....lb. .15½- .20½
tanks, works ....lb. .09½- —
Fusel oil, dms., c.l.....lb. .26 - —
l.c.l. .....lb. .26½- —
tanks .....lb. .25 - —
Fustic extract, cryst., No. 1, bbls., l.c.l..lb. .38 - —
No. 1A, bbls., l.c.l.....lb. .37 - —
No. 2, bbls., l.c.l.....lb. .36 - —
No. 3, bbls., l.c.l.....lb. .34 - —
liquid, No. 0, bbls., l.c.l...lb. .20½- —
No. 1, bbls., l.c.l.....lb. .19 - —
No. 2, bbls., l.c.l. .....lb. .18 - —
No. 3, bbls., l.c.l. .....lb. .15½- —
solid, No. 1, bxs., l.c.l.....lb. .22¼- —

G

G salt, bbls.....lb. .50 - —
Galangal root, bls.....lb. .26 - .28
Gambier, cube, Singapore, cs..lb. No stocks.
Extract, bbls. .....lb. No stocks.
Gammapicoline, 95%, dms., c.l., works..lb. 1.35 - —
Gasoline, at refinery, ex tax Arkansas, 73-75 octane, tanks, gal. .07125- —
Bayonne, 74 octane, tanks, gal. .0780- .09
Gulf Coast, 73-75 octane, tanks..gal. .0625- .07⅛
Group 3, 73-75 octane, tanks, gal. .06¾- .07
Pennsylvania, western, U. S. motor, 74 octane, leaded, tanks..gal. .07⅞- .08
natural, 26/70 octane, Group 3, tanks..gal. .05 -05125
Gelatin, silver label, ctns., dlvd. lb. .90 Nom.
export, cs. .....lb. 1.00 Nom.
Silver label prices 5c. higher for deliveries in Ariz., Calif., Colo., Idaho, Mont., Nev., N. Mex., Ore., Tex., Utah, Wash. and Wyo.
Gelsemium root, bls.....lb. .35 - .40
Gentian root, bls. .....lb. .29 - .30
grd., bbls. bxs.....lb. .35 - .36
powd., bbls., bxs.....lb. .34 - .35
Geraniol, 92-96%, cns., dms....lb. 9.00 -12.00
Geranyl acetate, cns.....lb. 5.02 -12.50
Ginger, African, No. 1, bls....lb. .14¼- .14⅜
Calicut, Romeo-type, bgs...lb. .16 - .16½
Cochin, bleached, bgs.....lb. .16½- .17
unbleached, bgs. .....lb. .15¾- .15⅝
Jamaica, No. 1, bgs.....lb. .18 - .18½
No. 2, bgs. .....lb. .17 - .17½
No. 3, bgs .....lb. .16 - .16½
Rhattoon, bgs. .....lb. .14 - .14½
Glauber's salt, anhyd. (see Soda sulphate).
cryst., bgs., works....100 lbs. 1.25 - 1.75
l.c.l., bgs., works..100 lbs. 1.65 - 2.10
Glue, bone, calcium type, 24 millipoise, 36 jellygrams, bgs., c.l., East of Midwest. lb. .21 - —
30/56, bgs., c.l., same basis..lb. .21 - —
58/82, bgs., c.l., same basis..lb. .17 - .22½
82/108, bgs., c.l., same basis..lb. .18½- .23½
Bone glue, l.c.l. prices 1c. higher than c.l.
Hide, 100-121 (jelly test in grams), bgs., c.l., dlvd..lb. .14 - .21½
122-149, bgs., c.l., dlvd....lb. .15 - .22½
150-177, bgs., c.l., dlvd....lb. .16 - .23½
178-206, bgs., c.l., dlvd....lb. .17 - .24½
207-236, bgs., c.l., dlvd....lb. .18 - .25½
237-266, bgs., c.l., dlvd....lb. .19 - .26½
267-298, bgs., c.l., dlvd....lb. .20 - .27½
299-330, bgs., c.l., dlvd....lb. .21 - .28½
331-362, bgs., c.l., dlvd....lb. .22 - .29½
363-394, bgs., c.l., dlvd....lb. .23 - .30½
395-427, bgs., c.l., dlvd....lb. .24 - .31½
428-460, bgs., c.l., dlvd....lb. .25 - .32½
461-494, bgs., c.l., dlvd....lb. .26 - .33½
495-529, bgs., c.l., dlvd....lb. .27 - .34½
Hide glue l.c.l., prices 1c. higher than c.l. bbls., ½c. over bgs.
Glycerin, crude, saponification, 88%, to refiners, tanks..lb. .45 - .60
soaplye, 80%, tanks.....lb. .35 - .50
dynamite, dms., c.l.....lb. .55¼- .75½
l.c.l. .....lb. .55¾- .75¾
tanks .....lb. .55 - .75
high gravity, dms., c.l.....lb. .55¼- .75¼
l.c.l. .....lb. .55¾- .75¾
tanks .....lb. .55 - .75
refined, B.P., 98%, dms., c.l..lb. .55¾- .75¾
tanks .....lb. .55½- .75½
USP, 95%, dms., c.l.....lb. .55¼- .75¼
l.c.l. .....lb. .55¾- .75¾
tanks .....lb. .55 - .75
yellow, distilled, dms., c.l...lb. .55 - .75
tanks .....lb. .55 - .75
Glycine, USP (see Acid, ammocetic).
Glycol boriborate, dms.....lb. .22 - —
Stearate, dms.....lb. .26 - —
Gold chloride, acid-brown, bots. oz. 20.00 -20.50
acid-yellow, bots.....oz. 18.75 -19.00
Gold-soda chloride, photo., bots. oz. 13.00 -13.50
USP IX, bots.....oz. 14.00 -14.50
Goldenseal roots, bls.....lb. 8.90 - 9.00
powd., bxs. .....lb. 9.40 - 9.50
Gold of pleasure seed, bgs....lb. No stocks
Grains of paradise, bgs.....lb. .48 - .49
Graphite, dom., crystalline, 80% through 50 mesh, graphitic carbon content 65-70%, bgs., whse..lb. .04½- —
70-75%, bgs., same basis, lb. .05 - —
75-80%, same basis.....lb. .05½- —
80-85%, bgs., same basis, lb. .06 - —
85-90%, bgs., same basis. lb. .07 - —
90% and up, same basis. lb. .08 - —
imported, amorphous, powd., dlvd..lb. .04 - .06
crystalline, 88-90%, powd., same basis..lb. .14 - .16
90-92%, powd., same basis.. lb. .16 - .19
97% powd., same basis...lb. .22 - .25
flake, No. 1, 90-95%, 200-lb. crtns, same basis..lb. .21 - .22
No. 2, same basis.....lb. .22 - .24
Grease, choice, loose.....lb. .22 - —
house, loose.....lb. .20¾- —
yellow, loose.....lb. .21 - —
white, loose.....lb. .21¼- —
Wool (see Adeps lanae and Degras).
Green, brilliant, thioflavin toner, molybdic, kegs, works..lb. 3.25 - —
tungstic, kgs., works.....lb. 3.75 - —
Chrome, CP, dark, light, medium, blue content up to 5%, bbls., dlvd. N. of Tenn. and N.C. E. of Miss. River, including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis..lb. .29 - —
6-10%, bbls., same basis. lb. .30 - —
11-15%, bbls., same basis. lb. .31 - —
16-20%, bbls., same basis. lb. .31½- —
21-25%, bbls., same basis. lb. .32¼- —
26-30%, bbls., same basis. lb. .32¾- —
31-35%, bbls., same basis. lb. .33½- —
Green, chrome, dark, light, medium, color content 36-40%, bbls., same basis..lb. .35½- —
41-45%, bbls., same basis. lb. .37 - —
46-50%, bbls., same basis. lb. .38¾- —
50% and over, bbls., same basis..lb. .39¾- —
reduced color, 5%, bbls. same basis.lb. .10 - —
6-10%, bbls., same basis.lb. .10¾- —
11-13%, bbls., same basis.lb. .11¼- —
14-16%, bbls., same basis.lb. .12 - —
17-19%, bbls., same basis.lb. .12¼- —
20-21%, bbls., same basis.lb. .12½- —
22-23%, bbls., same basis.lb. .12¾- —
24-25%, bbls., same basis.lb. .13 - —
26-27%, bbls., same basis.lb. .13½- —
28-29%, bbls., same basis.lb. .14 - —
30-31%, bbls., same basis.lb. .15 - —
32-33%, bbls., same basis.lb. .16½- —
34-35%, bbls., same basis.lb. .17½- —
36-40%, bbls., same basis.lb. .20 - —
41-45%, bbls., same basis.lb. .22½- —
46-50%, bbls., same basis.lb. .22¾- —
51-55%, bbls., same basis.lb. .23½- —
56-60%, bbls., same basis.lb. .24 - —
61-65%, bbls., same basis.lb. .25 - —
66-70%, bbls., same basis.lb. .26½- —
Chrome green prices are ½c. higher dlvd. Ala., Fla., Ga., La. (Shreveport, 1½c.), Miss., N. C., S. C., Tenn., Texas (Dallas, Ft. Worth, 1¼c.; El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph, Ic. higher dlvd. Pac. Coast; for Denver, Pueblo, Salt Lake City and Wichita, prices are equalized with Chicago.
Chrome oxide, pure, bgs., works..lb. .29½- .36½
Malachite, thioflavin toner, molybdic, bbls., works..lb. 3.00 - —
tungstic, bbls., works.....lb. 3.50 - —
Phthalocyanin, tetrahydroxide (hydrated chromium oxide), bbls., works..lb. .85 - —
toner, bbls., works.....lb. 4.00 - 5.00
Paris (see P).
Tungstated, brilliant, kgs...lb. 3.00 - 4.00
emerald, kgs.....lb. 2.60 - —
Verdigris (see V).
Green dyes (see Dyes, coaltar).
Grindelia robusta, bls.....lb. .30 - .35
Guaiac, resin, cs.....lb. .32 - .34
Wood, bls.....lb. .35 - .36
Gualacol, cryst., N.F., tins...lb. 1.60 - 1.65
Liquid, N.F., bots., cbys....lb. 1.50 - 1.60
Carbonate, dms.....lb. 2.40 - 2.45
Guarana, powd., cs.....lb. 2.00 - 2.10
Gum accroides (see Gum, yacca).
Aloe (see A).
Ammoniac, tears, cs.....lb. .90 - .95
Arabic, amber, sorts, bgs....lb. .14½- .15
white, sorts, 1, bgs.....lb. .28 - .29
Asphaltum (see A).
Asafetida (see A).
Benzoin, Sumatra, cs.....lb. .85 - .90
Camphor (see C).
Copal, Congo, bgs.....lb. No prices.
East India, bgs. .....lb. No prices.
Manila, baskets .....lb. No prices.
Dammar, cs. .....lb. No prices.
Elemi, cns. .....lb. No prices.
Ester, gum-resin type, dms., c.l., dlvd., Ill., Ind., Ky., Mich., Mid-Atl. States, N. England States, Minneapolis, N. C., Ohio, St. Louis, St. Paul, Va., W. Va....any quantity. .20 - —
lb. .21 - —
wood-resin type, dms., any quantity, dlvd. Ill., Ind., etc..lb. .19 - —
Euphorbium, cs. .....lb. 1.50 Nom.
Galbanum, cs. .....lb. .95 - 1.00
Gamboge, pipes, cs.....lb. 2.40 - 2.50
powd., bbls. .....lb. 2.50 - 2.60
Ghatti, bgs. .....lb. No stocks.
Guaiac (see Gualac resin).
Karaya, bbls., bxs., dms....lb. .21 - .50
Kauri, cs. .....lb. No prices.
Locust bean, powd., bbls....lb. .50 - .60
Mastic, cs. .....lb. 2.75 - 3.00
Myrrh, cs. .....lb. .48 - .50
Olibanum, siftings, cs.....lb. .12 - .13
tears, cs. .....lb. .27 - .45
Opium (see O).
Red (see Gum yacca).
Rosin (see R).
Sandarac, bgs. .....lb. .90 - .95
Scammony, cs. .....lb. 1.50 - 1.55
Talha, bgs. .....lb. .10 - .11
Tragacanth, No. 1, cs.....lb. 4.50 - 5.00
No. 2, cs.....lb. 3.75 - 3.80
No. 3, cs.....lb. 3.20 - 3.45
Yacca, bgs. .....lb. No prices.
Gypsum, Keene's cement, paper bgs., c.l., Acme, Tex., frt. equald..ton. 22.65 - —
Harlem River, N. Y., frt. frt. equald..ton. 28.25 - —
Medicine Lodge, Kan., frt. equald..ton. 17.00 - —
New Brighton, N. Y., frt. equald..ton. 30.65 - —
Southard, Okla., frt. equald..ton. 17.00 - —
Sweetwater, Tex., frt. equald..ton. 21.45 - —
Plaster of Paris, paper bgs., c.l., Acme, Texas, frt. equald. ton. 12.50 - —
Blue Rapids, Kan., frt. equald..ton. 10.50 - —
Harlem River, N. Y., frt. equald..ton. 12.00 - —
Medicine Lodge, Kan., frt. equald..ton. 12.50 - —
New Brighton, N. Y., frt. equald..ton. 13.00 - —
Southard, Okla., frt. equald. ton. 12.50 - —
Sweetwater, Tex., frt. equald..ton. 12.50 - —
Stucco, paper bgs., c.l., Acme, Texas; Akron, N. Y.; Blue Rapids, Kan.; Clarence Center, N. Y.; Fort Dodge, Ia.; Grand Rapids, Mich.; Gypsum, Ohio; Harlem River, N. Y.; National City, Mich.; New Brighton, N. Y.; Plasterco, Ga.; Portsmouth, N. H.; Roton, Tex.; Southard, Okla.; Sweetwater, Tex.; frt. equald..ton. 8.00 - —
Saltville, Va., frt. equald. ton. 9.00 - —
Terra alba, paper bgs., c.l., Harlem River, N.Y.; New Brighton, N. Y., same basis..lb. 14.40 - —

H

Hawthorn berries, bgs.....lb. .60 - .65
Heliotropin, cryst., cns.....lb. 2.95 - 4.00
Hellebore, white, powd., bbls..lb. .46 - .47
Helonias root, bls.....lb. 2.25 - 2.30
Hematine extract, cryst., No. 6, bbls., l.c.l..lb. .41 - —
No. 1, bbls., l.c.l.....lb. .40 - —
No. 1A, bbls., l.c.l.....lb. .37 - —
No. 2, bbls., l.c.l.....lb. .36 - —
No. 3, bbls., l.c.l.....lb. .34 - —
No. 4, bbls., l.c.l.....lb. .32 - —
No. 5, bbls., l.c.l.....lb. .30 - —
Hematine paste, No. 1, bbls., l.c.l. lb. .17½- —
No. 2, bbls., l.c.l.....lb. .16½- —
No. 3, bbls., l.c.l.....lb. .15½- —
red, No. 4, bbls., l.c.l.....lb. .14½- —
Hemlock bark extract, 25% tan, bbls., c.l., works..lb. No stocks
tanks, works.....lb. No stocks
Henbane leaves, bls.....lb. 1.00 - 1.25
Henna leaves, bls.....lb. .29 - .30
powd., bbls., bxs.....lb. .34 - .36
Heptane, industrial grade, 50°-100° C., dms., c.l., Group 3, gal. .12½- —
l.c.l., Group 3.....gal. .19 - —
tanks, Group 3.....gal. .10½- —
77°-115° C., dms., c.l., Group 3..gal. .13 - —
l.c.l., Group 3.....gal. .19 - —
tanks, Group 3 .....gal. .10½- —
laboratory grade, dms., c.l., Group 3..gal. .16 - —
l.c.l., Group 3.....gal. .29 - .55
Hexalin (see cyclohexanol).
Hexaethyl tetraphosphate, cns., works..lb. 1.25 - —
dms., c.l., works.....lb. .80 - —
l.c.l., works.....lb. .90 - 1.00
Hexamethylenetetramine, tech., bbls., 1,000-lb. lots, Perth Amboy or N.Y.C..lb. .24 - —
smaller lots, same basis..lb. .25 - —
USP, dms., 500 lbs. or more, same basis..lb. .35 - —
smaller lots, same basis..lb. .36 - —
Hexane, 60°-70° C., industrial grades, dms., c.l., Group 3, gal. .13½- —
l.c.l., Group 3.....gal. .19 - —
tanks, Group 3.....gal. .10½- .11
laboratory grade, dms., c.l., Group 3..gal. .16 - —
l.c.l., Group 3.....gal. .29 - .55
Hexanol, normal, dms., l.c.l., works..lb. .25 - —
Homatropine hydrobromide, bots. oz. 15.00 -25.00
Hoofmeal, 17-18% ammonia, bulk, c.l., Chicago..unit-ton. 8.50 - —
Hops, NF, bls.....lb. .55 - 1.30
Horehound, bls.....lb. .12½- .13
Hydrangea, root, bls.....lb. .22 - .25
Hydrastine, alkaloid, bots.....oz. 20.00 -22.00
Hydrochloride, bots.....oz. 20.00 -22.00
Sulphate, bots.....oz. 29.00 -32.00
Hydrastinine, 10-gr. bots....bot. 1.95 - —
Hydrastis (see Goldenseal).
Hydrofluramide, dms., fib. cns., works..lb. .30 - .40
Hydrogen peroxide, USP, bbls. lb. .03¾- .04
100 vols., cbys., E. of Miss. River or West coast via Panama Canal..lb. .15½- .18½
Hydroquinine, bbls., dms.....lb. .90 - .94
Hydroxycitronellal, cns.....lb. 17.50 -21.60
dms., extra, ret'able, dlvd....lb. No prices
Hyoscine hydrobromide, bots..oz. 39.00 -45.00
Hyoscyamine, bots.....oz. 18.00 -20.00
Hydrobromide, bots.....oz. 18.00 -19.50
Sulphate, bots.....oz. 14.00 -19.50
Hypernic extract, cryst., No. 1, bbls., l.c.l..lb. .48 - —
No. 2, bbls., l.c.l.....lb. .40 - —
liquid, No. 1, bbls., l.c.l..lb. .27 - —
No. 2, bbls., l.c.l.....lb. .22 - —
solid, No. 1, bxs., l.c.l....lb. .33 - —
Hyssop, bgs.....lb. .60 - .61
leaves, bgs.....lb. .9 - .70

I

Iceland moss, bgs. .....lb. .50 - .52
Ichthammol, NF, bots.....lb. 2.45 - —
Indian red (see Red, Indian).
Indigo, nat., chests.....lb. 2.14 - 2.30
synth., paste, bots.....lb. .74½- .85
powd., bbls. .....lb. .74½- .85
Indol, CP, bots.....lb. 19.00 -22.00
Inositol, tins, works.....lb. 5.00 - —
Insect flowers (see Pyrethrum).
Iodine, crude, 150-lb. kgs., ex whse., Staten Island..lb. 1.42½- —
resubl., 5-lb. bots., jars.....lb. 2.10 - 2.20
Iodoform, 100-lb. dms., kgs....lb. 4.45 - —
Ionone, ketone, bot.....lb. 6.00 -14.00
Methyl, bot. .....lb. 6.25 -16.85
Ipecac root, bgs.....lb. 6.00 - 6.25
powd., bgs. .....lb. 6.25 - 6.50
Irish moss, bleached, prime....lb. .25 - .30
Iron acetate, liquor, bbls., c.l., dlvd..lb. .17 - —
l.c.l., dlvd. .....lb. .18 - —
solut., USP IX, 100-lb. cbys. lb. .17 - —
50-lb. djns. .....lb. .18 - —
Chloride (ferric), anhydr., tech., dms., c.l., works..100 lbs. 4.90 - 5.25
l.c.l., works.....100 lbs. 6.50 - 6.85
cryst., tech., bbls., works, frt. alld..100 lbs. 4.00 - 6.00
USP X, lump, bbls.....lb. .07 - .08½
solut., 42 Be, cbys., works, frt. alld. or equald..lb. .05½- .06
djns., same basis.....lb. .10 - —
Citrate, gran., dms.....lb. .72 - .74
Glycerophosphate, N.F., powd. lb. 4.35 - —
Hypophosphite, bbls., dms..lb. 1.50 - 1.52
Iodide, bots. .....lb. 3.48 - 3.63
Naphthenate, 6% Fe, 50-gal. dms..lb. .16½- .17⅛
Nitrate, red, tech., dms.....lb. .03½- .04
Oxalate, gran., dms.....lb. .33 - .35
powd., cns. .....lb. .52 - —
kgs. .....lb. .47 - .49
Phosphate, soluble, NF, gran., cs..lb. .54 - .57
Pyrophosphate, NF, gran., soluble, dms..lb. .59 - .62
Reduced, 90%, kgs.....lb. .65 - .75
Resinate, 7.4% Fe, 100-lb. dms. lb. .21 - —
Sulphate (ferric), anhyd., bgs., c.l., works..ton. 35.00 - —
l.c.l., works.....ton. 40.00 - —
partially hydrated bgs., c.l., works..ton. 26.50 - —
(ferrous) tech. (see Copperas).
USP, cryst., bbls., dms..lb. .06 - .08
Tallate, 4% Fe, 50-gal. dms..lb. .10¼- —
Iron-ammonia citrate, brown, green, gran., dms..lb. .40 - .43
Oxalate, bbls. .....lb. .23½- —
dms., kgs. .....lb. .25½- .26½
Iron-soda oxalate, bbls., dms.lb. .23½- .26½
Isobornyl acetate, cns., works.lb. .80 - .95
Isobornyl thiocyanoacetate, dms., c.l., works..gal. 4.35 - —
l.c.l., works.....gal. 4.45 - 4.55
tanks, works.....gal. 4.23 - —
Isobutyl acetate, cns.....lb. 1.10 - —
Propionate, cns. .....lb. No prices
Isoeugenol, extra cns.....lb. 3.75 - 4.35
Isopentane, dms., works.....lb. .45 - .55
Isophorone, dms., c.l., works..lb. .21 - —
l.c.l., works.....lb. .22 - —
tanks, works.....lb. .20 - —
Isopropanol (see Alcohol, isopropyl).
Isopropyl acetate, dms., c.l., E. of Rockies, frt. alld..lb. .1160- —
l.c.l. E. of Rockies, same basis..lb. .1210- —
tanks, E. of Rockies, same basis..lb. .1100- —
Alcohol (see Alcohol, Isopropyl).
Ether, dms., c.l., dlvd.....lb. .06 - —
l.c.l. .....lb. .06½- —
tanks, dlvd. .....lb. .04½- —
Isopropylamine, dms., works..lb. .25 - —

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J

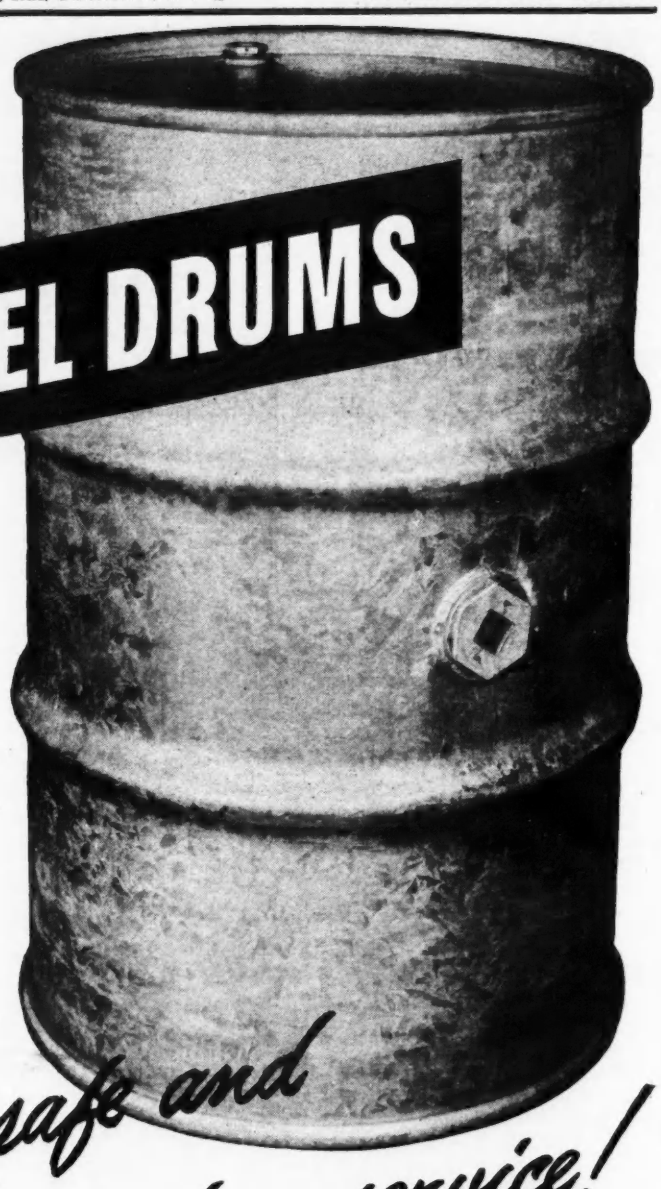
Jaborandi leaves, bls.....lb. .26 - .28
Jalap root, NF, bls.....lb. .45 - .50
powd., bbls., bxs.....lb. .55 - .60
Resin, lump, cns.....lb. 5.85 - —
powd., bxs.....lb. 5.90 - —
Juniper berries, bgs.....lb. .18 - .20
Juniper tar, USP, dms.....lb. .68 - 1.00

K

Kamala, powd., cns.....lb. .46 - .48
Kaolin (see China clay).
Kava kava root, bls.....lb. .35 - .40
Kerosene, at refinery: Ark., 42-44 w.w., tanks..gal. .05¾- —
Bayonne, 41-43, w.w., tanks..gal. .061 - —
California, 40-43, w.w., tanks.gal. .07 - —
Gulf ports, 41-43 w.w., tanks.gal. .05½- .05925
Okla-Tex., 41-45 w.w., tanks.gal. .05¾- .06
Penn., 45 w.w., tanks...gal. .07 - .07¼
47 w.w., tanks.....gal. .07625- .08
Kola nuts, bgs.....lb. .10 - .11
Kyanite, imp., low iron content, 10-mesh, whse..ton.85.00 -95.00
calcined, grain, 10-mesh, whse. ton.95.00 -105.00

L

Ladyslipper root, bls.....lb. 1.35 - 1.40
Lanolin (see Adeps lanae).
Lard, cash, Chicago, tcs.....lb. .26 Nom.
Larkspur seed, bgs.....lb. .65 - .70
Laurel berries, bls.....?..lb. .25 - .26
Leaves, Algerian, bls.....lb. .16 - .16½
Cyprus, bls.....lb. .28 - .29
Greek, bls., futures.....lb. .20 - .21
Italian, bls.....lb. .16 - .16½
Portuguese, futures, bls....lb. .16 - .16½
choice, bls.....lb. .17 - .17½
Turkish, bls.....lb. .15 - .15½
Lavender flowers, medium, bls.lb. .60 - .65
ordinary, bls.....lb. .35 - .45
select, bls.....lb. .65 - .70
Lead, acetate, white, broken, bbls..lb. .17 - —
cryst., bbls.....lb. .17¾- —
gran., powd., bbls.....lb. .17¾- —
Arsenate, basic powder, 3-lb. bgs. or larger, c.l..lb. .20 - —
l.c.l. .....lb. .21 - .22
1-lb. bags, c.l.....lb. .27½- —
l.c.l. .....lb. .28½- .29½
Lead arsenate prices are works or whse. basis, frt. alld. to dest. East.
Blue, basic sulphate, bbls., c.l., 20-ton lots, dlvd. E..lb. .13¾- —
dlvd. Ariz., Cal., Col., Idaho, Mont., Nev., N. M., Ore., Utah, Wash., Wyo..lb. .14 - —
l.c.l., dlvd. E.....lb. .14 - —
dlvd. Ariz., Cal., Col., Idaho, Mont., Nev., N. M., Ore., Utah, Wash. Wyo..lb. .14¼- —
Carbonate (see Lead, white).
Chloride, fib. dms.....lb. .49 - —
Iodide, NF V, jars.....lb. 2.94 - —
Linoleate, solid, 13%, bbls...lb. .41¾- —
Metal,[5] (see Protective Coatings Materials market).
Metallic paste, dms., works..lb. No stocks.
Naphthenate, 20% Pb, liquid, dms..lb. .18¼- —
30% Pb, liquid, dms.....lb. .22½- —
37% Pb, solid, dms.....lb. .27½- —
Lead nitrate, bbls.....lb. .15¼- .15½
Oleate, bbls. .....lb. .17¾- —
Peroxide, powd., tech., bbls.,. lb. .23 - .28
Red, 95% Pb_3O_4, or less bbls., c.l. (20 tons), dlvd. Ala., Ariz., Colo., Fla., Ga., Idaho, La., Miss., Mont., Nev., N. Mex., Tex., Utah, Wyo., and E. of Cascade Mts. in Ore. and Wash..lb. .15¾- —
other points .....lb. .15½- —
l.c.l., 5 tons, dlvd. Ala., Cal., Fla., Ga., La., Miss., Tex., and W. of Cascade Mts. in Ore. and Wash..lb. .16¼- —
Ariz., Idaho, Nev., Utah, and E. of Cascade Mts. in Ore. and Wash..lb. .16¾- —
Colo., Mont., N. Mex., Wyo..lb. .16½- —
other points.....lb. .16¼- —
smaller lots, Ala., etc.lb. .16¾- —
Ariz., etc. .....lb. .17¼- —
Colo., etc. .....lb. .17 - —
other points.....lb. .16½- —
in oil, kgs.....lb. .24¼- —
97% Pb_3O_4, bbls., c.l. (20 tons), dlvd., Ala., Ariz., Colo., Fla., Ga., Idaho, La., Miss., Mont., Nev., N. Mex., Tex., Utah, Wyo. and E. of Cascade Mts. in Wash. and Ore.lb. .16 - —
other points.....lb. .16½- —
l.c.l., 5 tons, dlvd. Ala., etc..lb. .17 - —
Ariz., etc.....lb. .16¼- —
Colo., etc.....lb. .16¼- —
other points.....lb. .16½- —
Lead, red, 97% Pb_3O_4, bbls., lb. .17 - —
Ariz., etc.....lb. .17½- —
Colo., etc.....lb. .17¾- —
other points.....lb. .16¾- —
98% Pb_3O_4, bbls., c.l. (20 tons), dlvd. Ala., etc.lb. .16¼- —
other points.....lb. .16 - —
l.c.l., 5 tons, dlvd. Ala., etc..lb. .16¾- —
Ariz., etc.....lb. .17¼- —
Colo., etc.....lb. .17 - —
other points.....lb. .16½- —
smaller lots, dlvd. Ala., etc..lb. .17¼- —
Ariz., etc.....lb. .17¾- —
Colo., etc.....lb. .17½- —
other points.....lb. .16¾- —
Resinate, precip., 23.8% Pb, dms..lb. .22½- —
Silicate, bgs.....lb. .15 - .15½
Soyate, 20.15% Pb., dms.....lb. .22¼- —
Stearate, bbls.....lb. .34½- .35½
Sulphate (see Lead, blue; Lead, white, basic sulphate).
Tallate, 10% Pb, dms.....lb. .10 - .11
Titanate, bgs., bbls., c.l., l.c.l., 6 tons, one delivery, E. frt. alld..lb. .11¼- —
Pac. Cst., ex whse....lb. .11½- —
smaller lots, E. frt. alld. .lb. .11½- —
Pac. Cst., ex whse..lb. .11¾- —
White, basic carbonate, bbls., c.l., dlvd. Ariz., Calif., Colo., Idaho, Mont., Nev. N. Mex., Ore., Utah, Wash., and Wyo. .lb. .14½- —
dlvd. other points....lb. .14¼- —
l.c.l., dlvd. Ariz., etc....lb. .14¾- —
other points.....lb. .14½- —
basic sulphate, bbls., c.l., dlvd. Ariz., etc..lb. .13¾- —
other points.....lb. .14 - —
l.c.l., dlvd. Ariz., etc....lb. .14 - —
other points.....lb. .13¾- —
in oil, consumers, kgs....lb. .24½- —
painters, kgs.....lb. .23¼- —
Lecithin, edible, dms., c.l.....lb. .36 - —
l.c.l. .....lb. .38½- .58½
tech., dms., c.l.....lb. .36 - —
l.c.l. .....lb. .38½- .58½
Lemon peel, bls.....lb. .35 - .40
Licorice extract, mass, cns....lb. .40 - .42
powd., bbls.....lb. .60 - .62
Root, natural, bls.....lb. .12 - .14
powd., bbls.....lb. .18 - .20
5-lb. bundles, cs.....lb. .65 - .66
Lignin extract, tanning grade, bgs., c.l., works..lb. .04¾- —
Lime, agricultural, bulk, works. ton. 9.00 - 9.50
Chemical (quicklime), lump, pebble, Adams, Mass..ton. 9.00 - —
Annville, Pa.....ton. 8.50 - —
Bellefonte, Pa.....ton. 8.50 - —
Berkeley, W. Va....ton. 8.50 - —
Buffalo, N. Y.....ton.10.25 - —
Carey, Ohio.....ton. 7.00 - —
Cedar Hollow, Pa....ton. 9.00 - —
Crab Orchard, Tenn..ton. 7.90 - —
Eagle Mountain, Va..ton. 8.50 - —
Farnams, Mass.....ton. 9.00 - —
Gibsonburg, Ohio....ton. 7.50 - —
Hannibal, Mo.....ton. 7.50 - —
Keystone, Ala.....ton. 7.90 - —
Knoxville, Tenn.....ton. 7.90 - —
Limedale, Ark.....ton. 8.00 - —
Longview, Ala.....ton. 7.90 - —
Manistique, Mich....ton. 8.00 - —
Marblehead, Ohio....ton. 8.50 - —
Martinsburg, W. Va..ton. 8.50 - —
Menominee, Mich....ton. 8.00 - —
Mitchell, Ind.....ton. 7.50 - —
Nawala, Ala.....ton. 7.90 - —
Ripplemead, Va.....ton. 8.50 - —
Riverton, Va.....ton. 8.50 - —
Rockland, Maine....ton. 8.00 - —
Scioto, Ohio.....ton. 6.50 - —
Sherwood, Texas....ton. 7.90 - —
Sherwood, Wisc.....ton. 8.50 - —
Springfield, Mo.....ton. 8.00 - —
ton. 8.00 - —
Woodville, Ohio.....ton. 8.50 - —
York, Pa.....ton. 8.50 - —
Hydrated, paper bgs., Adams, Mass..ton.10.00 - —
Annville, Pa.....ton.10.00 - —
Bellefonte, Pa.....ton.10.00 - —
Berkeley, W. Va....ton.10.00 - —
Buffalo, N. Y.....ton.10.50 - —
Carey, Ohio.....ton. 8.50 - —
Cedar Hollow, Pa....ton.10.00 - —
Crab Orchard, Tenn..ton.10.65 - —
Eagle Mountain, Va..ton.10.00 - —
Farnams, Mass.....ton.10.00 - —
Gibsonburg, Ohio....ton. 9.50 - —
Hannibal, Mo.....ton. 9.50 - —
Keystone, Ala.....ton.11.65 - —
Knoxville, Tenn.....ton.10.65 - —
LeRoy, Minn.....ton.10.00 - —
Limedale, Ark.....ton.10.00 - —
Longview, Ala.....ton.11.65 - —
Manistique, Mich....ton. 9.50 - —
Marblehead, Ohio....ton.10.50 - —
Martinsburg, W. Va..ton. 8.50 - —
Mitchell, Ind.....ton.10.00 - —
Newala, Ala.....ton.11.65 - —
Petoskey, Mich.....ton.10.00 - —
Port Island, Mich...ton. 9.00 - —
Rapid City, S. Dak..ton.12.00 - —
Ripplemead, Va.....ton.10.00 - —
Rockland, Maine.....ton. 9.00 - —
Scioto, Ohio.....ton. 8.00 - —
Sherwood, Tenn.....ton.11.65 - —
Sherwood, Wisc.....ton.10.00 - —
Springfield, Mo.....ton. 9.00 - —
Woodville, Ohio.....ton. 8.50 - —
York, Pa.....ton.10.00 - —
Spray, Adams, Mass., paper bgs. ton.10.00 - —
Annville, Pa.....ton.10.00 - —
Bellefonte, Pa.....ton.10.00 - —
Carey, Ohio.....ton.11.00 - —
Farnams, Mass.....ton. 9.50 - —
Gibsonburg, Ohio....ton.10.00 - —
Marblehead, Ohio....ton.10.00 - —
Rockland, Maine.....ton.10.00 - —
Scioto, Ohio.....ton.10.00 - —
Woodville, Ohio.....ton.10.00 - —
York, Pa.....ton.10.00 - —
Lime salts (see Calcium).
Lime-ammonia-nitrogen[6] 20.5% N. (see Ammonia nitrate-limestone).
Limestone, ground, bulk, works.. ton. 1.40 - —
Linalool .....lb. 7.25 - 7.60
Linalyl acetate, ex bois de rose, bots..lb. 8.50 - —
ex lignaloe wood, bots.....lb. 7.75 - 8.40
ex petitgrain, bots.....lb. 5.15 - 6.90
Linden flowers with leaves, bls. lb. .40 - .42
without leaves, bls.....lb. .65 - .70
Linseed meal, 34%, bulk, mills. ton.80.00 - —
Litharge, com'l, powd., bbls., c.l., dlvd. Ala., Ariz., Colo., Fla., Ga., Idaho, La., Miss., Mont., Nev., N. Mex., Tex., Utah, Wyo. and E. of Cascade Mts. in Ore. and Wash..lb. .14½- —
other points.....lb. .14¼- —
l.c.l., 5 tons, dlvd., Ala., Cal., Fla., Ga., La., Miss., Tex., and W. of Cascade Mts. in Ore. and Wash..lb. .15 - —



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BOYLE MANUFACTURING DIVISION, *Los Angeles and Alameda, Calif.*
PETROLEUM IRON WORKS DIVISION, *Sharon, Pa., Beaumont and Port Arthur, Texas*

UNITED STATES STEEL

Litharge, com'l, powd., bbls., l.c.l., 5 tons, dlvd., Ariz., Idaho, Nev., Utah, and E. of Cascade Mts. in Ore. and Wash..lb. .15½- —
Colo., Mont., N. Mex., Wyo..lb. .15¼- —
other points.....lb. .15 - —
smaller lots, dlvd. Ala., etc..lb. .15½- —
Ariz., etc.....lb. .16¼- —
Colo., etc.....lb. .16 - —
other points.....lb. .15¼- —
Lithium bromide, bbls., 100-lb. lots, works, frt. equald.lb. 1.90 - —
Carbonate, NF, bbls., kgs...lb. 1.15 - —
Chloride, jars.....lb. 1.15 - 1.65
Citrate, bbls., dms., kgs....lb. 1.30 - 1.45
Fluoride, bbls.....lb. 1.90 - —
Hydroxide, jars.....lb. 1.15 - 1.25
Lithopone, ordinary, bgs., c.l., (20 tons)..lb. .06½- —
l.c.l. .....lb. .06¾- —
bbls., c.l.....lb. .06¾- —
l.c.l. .....lb. .06 - —
Titanated (high-strength), bgs. lb. .07½- —
smaller lots.....lb. .07½- —
bbls., c.l.....lb. .07½- —
smaller lots.....lb. .07¾- —
Lithopone, c.l., dlvd. Pac. Cst., ¼c. higher; l.c.l., ex whse. Pac. Cst. ½c. higher.
Liverwort leaves, bls.....lb. .75 - .90
Lobelia herb, bls.....lb. .80 - .85
Lobeline sulphate, bots., wks.oz. 25.50 -33.00
Logwood extract, crystals, No. 1, bbls, l.c.l..lb. .34 - —
No. 2, bbls., l.c.l.....lb. .32 - —
liquid, No. 1, bbls., c.l....lb. .17 - —
No. 2, bbls., l.c.l.....lb. .16 - —
No. 3, bbls., l.c.l.....lb. .15½- —
No. 4, bbls., l.c.l.....lb. .15 - —
solid, No. 1, bxs., l.c.l.....lb. .28 - —
No. 2, bxs., l.c.l.....lb. .26 - —
bbls., c.l., Zone 1.....lb. .09½- —
No. 4, bxs., l.c.l.....lb. .23 - —
No. 8, bgs., l.c.l.....lb. .23½- —
No. 5, bxs., l.c.l.....lb. .21½- —
No. 6, bxs., l.c.l.....lb. .39½- .44½
Lovage root, imported bls....lb. 1.20 - 1.25
Lupulin, NF, tin.....lb. 10.00 -11.00
Lycopodium, USP, cs.....lb. 2.50 - 3.00

M

Mace, Banda, cs.....lb. No stocks.
West Indian, bgs., futures..lb. 1.60 - 1.70
Broken, bgs., futures.....lb. 1.30 - 1.40
Madder, Dutch, bbls.....lb. .24 - .25
Magnesia arsenate, dms.....lb. .14 - .16
Calcined, tech., bbls., works, lb. .29 - —
USP, works .....lb. .31 - .33
Carbonate, tech., bgs., c.l. frt. equald..lb. .07¼- —
l.c.l., frt. alld.....lb. .08¼- —
bbls., c.l., frt. equald....lb. .08¼- —
l.c.l., frt. alld.....lb. .09½- —
kgs., c.l., frt. equald....lb. .09¾- —
l.c.l., frt. alld.....lb. .10¾- —
USP, bgs., c.l., frt. equald. lb. .09 - —
l.c.l., frt. alld.....lb. .10 - —
bbls., c.l., frt. equald....lb. .09¼- —
l.c.l., frt. alld.....lb. .10¼- —
kgs., c.l., frt. equald....lb. .10¾- —
l.c.l. frt. alld .....lb. .11¼- —
Magnesia carbonate is quoted frt. alld. to N. J., except to Atlanta, Burlington, Cape May, Cumberland, Gloucestershire, Ocean, and Salem counties, and to Phila. county, Pa. Frt. equald, to N.Y.C. on all other destinations.
Chloride, anhyd., bbls., dlvd.lb. .12¾- —
flake, bbls., c.l., works.ton. 37.00 - —
l.c.l., works .....ton. 44.00 -46.00
Fluoride, bbls. .....lb. .20 - .25
Hydroxide, medicinal, bbls., dms., kgs..lb. .29 - .30
Hypophosphite, cns. .....lb. 1.45 - —
Laurate, bbls.....lb. .33 - .38
Oxide (see Magnesia, calcined).
Peroxide, 15%, dms., works..lb. 1.00 - 1.05
Phosphate, tribasic, USP, bbls. lb. .62 - .67
Silicate (see Talc).
Silicofluoride, bbls.....lb. .14 - .16
Stearate, ctns., 2,000 lbs. to c.l. lb. .50 - —
smaller lots.....lb. .51 - .52
Sulphate (see Epsom salt).
Trisilicate, dms., 1,000-lb. contracts..lb. .37 - —
smaller lots.....lb. .42 - —
Magnesite, cal., powd., bgs., c.l., mines, Calif..ton. 58.75 - —
dead-burnt, bulk, c.l., Chewelah, Wash..ton. 22.00 -32.00
Maleic anhydride, dms., c.l....lb. .25 - —
l.c.l. .....lb. .26 - —
Malva flowers, black, bls.....lb. No stocks
blue, bls.....lb. 1.55 - 1.60
Leaves, bls.....lb. .40 - .41
Manaca root, bls.....lb. .49 - .50
Mandrake root, bls.....lb. .40 - .45
Manganese acetate, dms.....lb. .25½- —
Arsenate, bgs.....lb. .12 - .12¼
Borate, tech., bbls.....lb. .16 - .18
Carbonate, bbls.....lb. .19 - —
Chloride, anhyd., bbls., wks.lb. .14 - .16
Dioxide, African, battery, 84%-87%, bbls., 28-40 tons, works..ton. 74.00 - —
smaller lots, works..ton. 77.00 -82.00
85-90%, bbls., c.l., works... ton. 74.00 - —
smaller lots, works..ton. 77.00 -82.00
84-87%, burlap bgs., c.l., works..ton. 71.75 - —
l.c.l., works.....ton. 74.75 -79.79
paper bgs., c.l., works.ton. 70.00 - —
l.c.l., works.....ton. 73.00 - —
Glycerophosphate, fib. dms..lb. 4.25 - —
Hydrate, bbls., dlvd.....lb. .26 - —
Iodide, bots.....lb. 5.70 - —
jars .....lb. 5.55 - —
Linoleate, liquid, 4%, dms...lb. .42¾- —
solid, precip., 8.2%, bbls..lb. .44¾- —
Naphthenate, 6% Mn, liquid, dms..lb. .19¼- —
10% Mn, solid, dms.....lb. .29¼- —
Resinate, fused, 3½%, bbls..lb. .09 - .10½
precip., dms.....lb. .19 - —
Soyate, 8.2% Mn, dms.....lb. .22 - —
Sulphate, anhyd., dms., works. lb. No stocks
feed grade, 77-80%, bgs....lb. .04 - .06
fertilizer grade, 65%, bgs., c.l., dlvd. East..ton. 56.00 - —
l.c.l., same basis, or Balto. or Cincinnati... ton. 63.00 - —
industrial grade, 80%, bgs.lb. .05 - .05¾
75%, bgs., c.l., dlvd. East. ton. 64.50 - —
l.c.l., same basis.....ton. 71.50 - —
Tallate, 4% Mn, dms.....lb. .10¾- .11½
Mangrove bark, E. Africa, 38% tannin, c.l., ex dock, U. S. ports..ton. 58.00 -61.00
Manna, flake, large, cs.....lb. 1.50 - 1.55
small, cs. .....lb. No stocks.
Mannitol, com'l, bbls., works.lb. .38 - .43
reagent, cs. or multiples, works..lb. .85 - —
Marjoram, Argentine, bls.....lb. .14 Nom.
California, French type, new crop, bls., Pacific Coast.lb. .35 - .38
Chilean, bls.....lb. .11 - .11¼
futures, bls.....lb. .10½- .11

Matico leaves, bls.....lb. .15 - .15½
Menadione, USP, bots., works, gram. .10 - —
Menthol, natural, USP, Brazilian, cns..lb. 7.00 - 7.25
synthetic, tech., cns.....lb. No prices.
USP, laevo, cns.....lb. No prices.
racemic, cns. .....lb. 6.10 - 6.20
Menthyl salicylate, tins.....lb. 3.00 - 3.10
Mercurial ointment, USP, mild, 10%, dms..lb. .70 - .72
strong, dms. .....lb. 1.88 - 1.90
Mercury bichloride (see Corrosive sublimate).
Bisulphate, dms. .....lb. 2.59 - 2.61
Chloride (see Calomel).
Cyanide, cryst., powd.....lb. 3.86 - —
Iodide, red, NF, dms.....lb. 4.50 - —
yellow, NF, fib. dms....lb. 4.60 - —
Oxide, red, NF (see Red precipitate).
yellow, USP, fib. dms.....lb. 2.94 - 2.96
tech. (see Yellow, mercury oxide).
Mesityl oxide, dms., c.l., dlvd.lb. .11½- —
l.c.l., dlvd. .....lb. .12 - —
tanks, dlvd. .....lb. .10½- —
Metal leaf, composition, 5½x5½ in..pkg. No stocks.
Gold X+, deep, 23, 3⅛x3⅛ in., pkg. No stocks.
Silver, 3⅛x3⅛ in.....pkg. No stocks.
Metanitroparatoluidin, bbls....lb. 1.16 - 1.21
Metaphenylenediamine, kgs....lb. .72 - —
Metatolcylenediamine, kgs.....lb. .77 - —
Methanol, natural, Group A, all grades, dms., extra, c.l., E. of Miss R..gal. .63 - —
l.c.l., same basis.....gal. .73 - —
tanks, same basis.....gal. .60 - —
Group B, all grades, dms., incl. c.l. frt. alld.....gal. .67 - —
l.c.l., same basis....gal. .78 - —
tanks, same basis.....gal. .60 - —
Prices on natural methanol W. of Miss. R., 3c. higher.

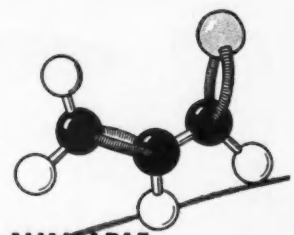
Methanol, synth., dms., c.l., Zone 1, frt. alld..gal. .31 - —
2, frt. alld. or dlvd....gal. .34 - —
3, frt. alld.....gal. .38 - —
4, frt. alld.....gal. .38 - —
l.c.l., Zone 1, frt. alld. or dlvd..gal. .36 - —
2, frt. alld.....gal. .43 - —
3, dlvd. S. F. and L. A. gal. .41 - —
4 frt. alld. or dlvd....gal. .51½- —
tanks Zone 1, frt. alld....gal. .24 - —
2, frt. alld.....gal. .27 - —
3, frt. alld.....gal. .29 - —
4, frt. alld.....gal. .29 - —

Synthetic methanol zones are: Zone 1—Conn., Del., D. C., Ill., Ind., Ia., Ky., Me., Md., Mass., Mich., Minn., Mo., Neb., N. H., N. J., N. Y., N. C., O., Pa., R. I., S. C. Tenn., Vt., Va., W. Va., and Wis. Zone 2—Ala., Ark., Col., Fla., Ga., Kan., La., Miss., N. Mex., N. Dak., Okla., S. Dak., Tex., and Wyo. Zone 3—Los Angeles and San Francisco. Zone 4—Ariz., Calif. (with exception of Los Angeles and San Francisco, Ida., Mont., Nev., Ore., Utah, and Wash. Buyers in zone 4 have the option of buying at the delivered zone 4 price or at the zone 3 price, f.o.b. Los Angeles and San Francisco.

Methyl abietate, non-ret. dms., c.l., dlvd..lb. .16 - —
10 dms. .....lb. .16½- —
1-9 dms. .....lb. .17 - —
hydrogenated, c.l., dlvd....lb. .17¼- —
10 dms., dlvd. .....lb. .17¾- —
1-9 dms., dlvd. .....lb. .18¼- —
Acetate, CP, 97-99%, dms., c.l., E. of Miss..lb. .10½- .12
W. of Miss. .....lb. .11½- .12
l.c.l., E. of Miss....lb. .11 - .14
W. of Miss. .....lb. .12 - .13½
tanks, E. of Miss.....lb. .09½- —
W. of Miss. .....lb. .10½- —

Methyl acetate, tech., dms., c.l., E. of Miss..lb. .07 - .09
W. of Miss. .....lb. .08 - —
l.c.l., E. of Miss.....lb. .07½- .11
W. of Miss.....lb. .08½- .10½
tanks, E. of Miss.....lb. .06 - —
W. of Miss.....lb. .07 - —
Acetoacetate, dms., c.l., works, frt. alld..lb. .09½- —
Acetone, natural, Group A, dms., extra, c.l., E. of Miss., frt. alld..gal. .66 - —
l.c.l., same basis....gal. .76 - —
tanks, same basis....gal. .60 - —
Natural methyl acetone prices W. of Miss. R., 3c. per gal. higher.
Group B, dms. incl., c.l., E. Miss., frt. alld..gal. .67 - —
l.c.l., same basis....gal. .78 - —
tanks, same basis.....gal. .60 - —
synthetic, dms., c.l., works, frt. alld. E..lb. .49 - —
frt. alld. W.....lb. .51½- —
l.c.l., works, frt. alld. E. lb. .53 - —
frt. alld. W.....lb. .55½- —
tanks, works, frt. alld. E. lb. .42½- —
frt. alld. W.....lb. .44½- —
Methyl acetone, synth. East territory is all states East of and including Colo., Mont., N. Mex. and Wyo. West territory, all states West of Colo., Mont., N. Mex. and Wyo.

Alcohol (see Methanol).
Anthranilate, dms. .....lb. 1.80 - —
bots., cns. .....lb. 2.20 - 2.60
Benzoate, cns. .....lb. .48 - 1.20
Bromide, cns. .....lb. .63 - .65
cyls. .....lb. .55 - .70
Methyl chloride, indust., grade, cyl., works..lb. .16 - —
tanks, multi-unit, works..lb. .14¾- —
single-unit, works.....lb. .14 - —
refrigeration grade, indust. consumers, refrigeration machinery mfgrs., cylinders, dlvd..lb. .33 - —



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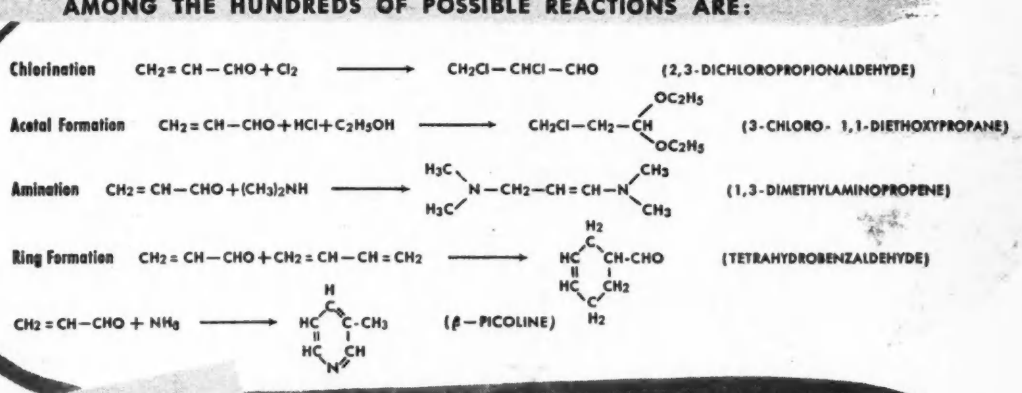
RESINS — As an intermediate in the preparation of polymerizable monomers, and as a constituent of aldehyde resins

INTERMEDIATES — As an intermediate in the synthesis of pharmaceuticals, heterocyclic ring compounds, polybasic acids, diamines, alcohols, acetals, etc.

AMONG THE HUNDREDS OF POSSIBLE REACTIONS ARE:



PROPERTIES	
Chemical formula	$CH_2=CH-CHO$
Molecular weight	56.06
Specific gravity	0.84
Melting point	−86.9° C
Boiling point	52.7° C
Colorless	
Inflammable	
Soluble in alcohol, ether	

To members of the chemical industry who are interested in its many potential uses, we offer trial lot quantities of Acrolein for use in the development and processing of new commercial products.

The bifunctional Acrolein molecule is extremely versatile. It can undergo an almost unlimited number of reactions characteristic of both aldehydes and activated olefinic bonds to form a variety of unusual compounds. Your investigation of these many possible reactions may afford new and profitable applications of this chemical.

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Methyl chloride, refrigeration grade, retail refrigeration consumers or service men, cylinders, dlvd..lb. .41 - —
Alcohol (see Methanol).
Cinnamate, cns. .....lb. 2.00 - 3.50
Formate, dms. .....lb. .89 - —
Iodide, bots. .....lb. 4.00 - 4.15
Lactate, dms., c.l., dlvd.....lb. No stocks.
Oleate, dms., c.l.....lb. No prices.
Salicylate, dms., 500 lbs.....lb. .35 - —
25-50 lbs. .....lb. .37 - .38
Methylamyl ketone, cns., dms., works..lb. No stocks.
Methylcellulose, special, vis. (4,000 cps.) fib. ctns., 2,000 lbs. or more, frt. alld..lb. .60 - —
smaller lots, frt. alld....lb. .65 - .70
standard vis. (15-1,500 cps.), fib. ctns., 2,000 lbs. or more, frt. alld....lb. .53 - —
smaller lots, frt. alld....lb. .58 - .63
Methylcyclohexane, 98-100% dms., works..lb. .16 - —
Methylcyclohexanol, 98-100%, dms., works..lb. .23 - —
Methylcyclohexanone, 98-100%, dms,wks..lb. No stocks
Methylene blue, USP, 100-lb. lots, kgs., frt. equald..lb. 2.20 - —
50-lb. lots, bgs., same basis. lb. 2.30 - —
25-lb. lots, kgs., same basis. lb. 2.35 - —
Chloride, refrig., dms., dlvd. E..lb. .12 - .13
Methyleneanilin, lbs., ton lots, min. frt. alld..lb. .36 - —
smaller lots, same basis....lb. .37 - —
Methylethyl ketone, dms., dlvd.lb. .0960- .1000
l.c.l., dlvd. .....lb. .1010- .1050
tanks, dlvd.....lb. .0900- —
Methylhexyl ketone, dms., tech., works..lb. .60 - —
Methylisobutyl carbinol (see Carbinol, methylisobutyl).

Methylisobutyl ketone, dms., c.l., dlvd..lb. .12½- —
l.c.l., dlvd. .....lb. .13 - —
tanks, dlvd. .....lb. .11½- —
Methylnaphthyl ketone, cns...lb. 3.00 - 4.00
Methylpentanediol, dms., dlvd., works..lb. .21½- —
l.c.l., dlvd.....lb. .22 - —
1 and 5-gal. cont., Newark.. lb. .27 - .29
tanks, dlvd. .....lb. .20 - —
Mica, dry-grd., paint, plastic, 100 mesh, bgs., c.l., works.ton.47.50 - —
l.c.l., works.....ton.51.00 - —
roofing, 20 to 80 mesh, works. ton.50.00 -60.00
graphite, bulk, Pa., mines.ton.80.00 - —
wet-grd., biotite, bgs., c.l., works frt. alld. E..lb. .05 - —
l.c.l., ex whse., or frt. alld. E..lb. .05½- —
extra fine, bgs., c.l., works, frt. alld. E..lb. .05¼- —
l.c.l., ex whse. or frt. alld. E..lb. .05¾- —
paint or lacq., bgs., c.l., works, frt. alld. E..lb. .06 - —
l.c.l., ex whse. or frt. alld. E..lb. .06½- —
rubber, bgs., c.l., works, frt. alld. E..lb. .05¾- —
l.c.l., ex whse. or frt. alld. E..lb. .06¼- —
Mica, wet-grd., wallpaper, bgs., c.l., works, frt. alld. E. lb. .06 - —
l.c.l., ex whse. or frt. alld. E..lb. .06½- —
white, extra fine, bgs., c.l., works, frt. alld. E..lb. .06½- —
l.c.l., ex whse. or frt. alld. E..lb. .07 - —
Mica, wet-grd., W. of Miss. R., ½c. higher; W. of Rockies, ¾c. higher.

Milk powder, skimmed, roller, bulk, c.l..lb. .15¾- .17¾
spray, bulk, c.l.....lb. .15¾- .17¾
whole, roller, bbls., c.l....lb. .40 - .41
spray, bbls., c.l.....lb. .41 - .42
Milk sugar, bbls., c.l., works..lb. .26 - —
l.c.l., works.....lb. .26¾- .27¼
Mineral spirits (see Petroleum, mineral spirits).
Molasses, blackstrap, tanks, works, Area 1..gal. .19 - —
Area 2.....gal. .18½- —
Area 3.....ton.26.00 - —
Area 4.....ton.29.00 - —
Area 5.....ton.34.60 - —
Area 1, Fla., Ga., La., Tex.; Area 2, Mass., Md., N. J., N. Y.; Area 3, Calif.; Area 4, Colo., Idaho, Kan., Mont., Neb. (excepting Grand Island), S. D., Utah, Ore., Wash., Wyo.; Area 5, Ia., Md., Mich., Minn., Grand Island, Neb., Ohio, Wis.
Molybdate orange (see Orange, molybdate).
Molybdenum metal, kgs., 90%, powd..lb. 2.60 - 3.00
Trioxide, pure, kgs., works, basis Mo. content..lb. .95 - —
technical, kgs., works, basis Mo. content..lb. .80 - —
Monoamylamine, dms., c.l., works, basis 100%..lb. .61 - —
l.c.l., works, basis 100%...lb. .64 - —
Monochlorobenzene, dms., c.l., works, frt. equalized with comp. points..lb. .06 - .06½
l.c.l., works.....lb. .06½- .07½
Monochlorobenzene, tanks, works, frt. equalized with comp. points..lb. .05½- —
smaller containers, works.. lb. .09 - .10
Monoethanolamine, dms., c.l., frt. alld. E..lb. .24 - —
l.c.l., same basis.....lb. .25 - —
tanks, same basis.....lb. .23 - —

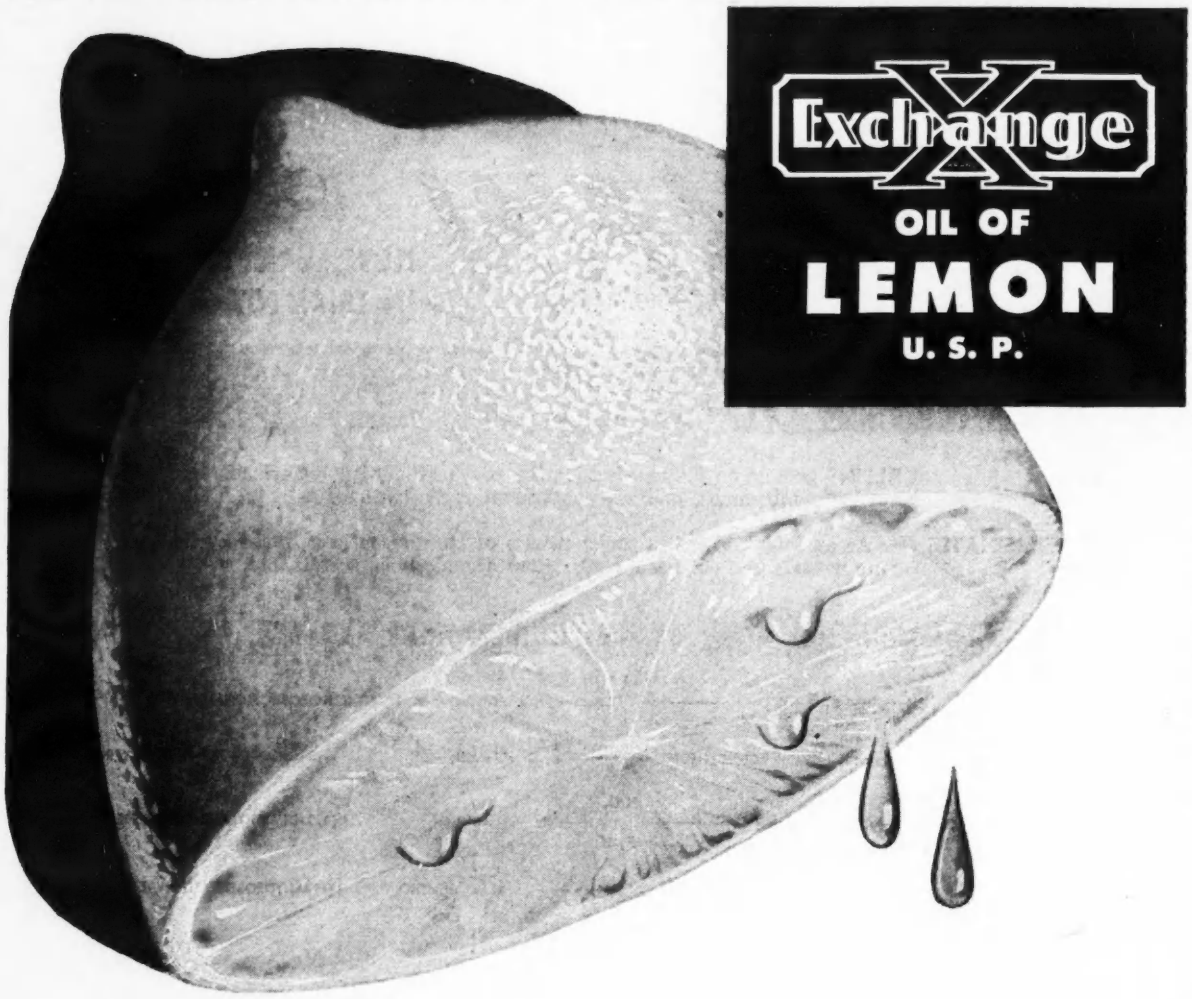
Monoethylamine, dms., c.l., wks., basis 100%..lb. .17 - —
l.c.l., works, basis 100%..lb. .18 - —
tanks, 100% basis, works..lb. .15 - —
Monomethylamine, anhydrous, cyl., works, frt. alld. E. of Miss. 100% basis..lb. .32½- —
solution, dms., works, frt. alld. E. of Miss., 100% basis. lb. .37 - .43½
tanks, same basis.....lb. .32 - —
Monomethylpara-aminophenol sulphate, dms..lb. 2.40 - 2.90
Monosodium phosphate (see Soda phosphate, monobasic).
Morphine, bots., 5 ozs.....oz.11.10 - —
cns., 25 ozs.....oz.10.90 - —
Acetate, bots., 5 ozs.....oz. 9.00 - —
cns., 25 ozs. .....oz. 8.80 - —
Hydrobromine, 5 ozs.....oz. 8.95 - —
cns., 25 ozs. .....oz. 8.70 - —
Hydrochloride, bots., 5 ozs..oz. 9.00 - —
cns., 25 ozs. .....oz. 8.75 - —
Sulphate, bots., 5 ozs.....oz. 9.00 - —
cns., 25 ozs.....oz. 8.75 - —
Morpholine, dms., l.c.l., works, lb. .67 - —
smaller containers, works...lb. .75 - —
Mullein leaves, cns.....lb. .12 - .13
Musk, nat., Tonquin grains, bots. oz.55.00 -60.00
synthetic, ambrette, cns., 100 lbs. or more..lb. 4.60 -12.00
25 lbs. .....lb. 4.70 -12.10
5 lbs. .....lb. 4.85 -12.30
ketone, cns., 100 lbs. or more. lb. 4.15 - 9.25
25 lbs. .....lb. 4.25 - 9.35
5 lbs. .....lb. 4.40 - 9.70
xylol, cns.....lb. 1.60 - 2.00
25 lbs. .....lb. 1.70 - 2.60
5 lbs. .....lb. 1.85 - 2.90
Muskroot, bls.....lb. No prices
Mustard seed, Calif., Brown, bgs. lb. .16 - .16½
yellow, bgs.....lb. .21 Nom.
Danish, yellow, bgs.....lb. .20½- .21
Dutch, yellow, bgs.....lb. .22½- .23
Montana, brown, bgs.....lb. .16 - .16½
oriental, bgs. .....lb. .11 - .11½
futures, f.o.b. source..lb. .08½- .09
lb. .17 - .17½
yellow, futures, f.o.b. source. Washington, yellow, bgs.....lb. No prices
Myrobalans, whole, J1, U. S. ports, ex dock..ton.42.00 -44.50
J2, same basis.....ton.39.00 -40.00

N

Naphtha painters (see Petroleum naphtha, V. M. & P.).
Solvent (see S).
Naphthalene, dom., crude, 74°, bgs., c.l., frt. equald..lb. — - —
bbls., c.l., same basis..lb. — - —
tanks, same basis.....lb. .035 - —
78°, bgs., c.l., same basis. lb. — - —
bbls., c.l., same basis..lb. .0410- —
tanks, same basis.....lb. .0375- —
refined, balls, flakes, bbls., wholesalers and jobbers, c.l., works..lb. .09½- —
50-lb. cs., same basis....lb. .09¾- —
1-lb. pkgs., same basis..lb. .11 - —
Neocinchophen, USP, dms., works. lb. 7.00 - 7.10
Nepheline syenite, glass grade, 24 mesh, bulk, Rochester, N. Y..ton.13.75 - —
pottery grade, 200 mesh, bulk, Rochester, N. Y..ton.17.25 - —
Nepheline syenite in bgs. is $2 per ton higher than bulk.
Narolin, crys., cns.....lb. 1.70 - 1.95
Niacin (see Acid, nicotinic).
Nickel, carbonate, bbls.....lb. .39 - —
Chloride, bbls.....lb. .20 - —
Cyanide, bots., dms.....lb. No stocks
Oxide, black, bbls.....lb. .35 - .38
Salt, bbls.....lb. .14 - .14½
Nicotinamide, USP, dms., works, kilo.10.50 -10.80
Nicotine sulphate, 40%, dms., 50 lbs., to dealers, frt. allowed over 50 lbs..lb. .988 - —
tins, 10 lbs.....lb. 1.105 - —
Nickethamide, bots., cbys.....lb. 7.00 - 8.00
Nitercake, bulk, works.....ton.20.00 -24.00
Nitrobenzene, dbl. dist., dms., c.l. lb. .08 - —
l.c.l. .....lb. .09 - —
tanks .....lb. .07 - —
Nitrocellulose, alcohol-soluble. ½ sec., 30-35 cps., bbls., works, dry weight..lb. .26 - —
5-6, 40-60 cps., same basis. lb. .27 - —
Ester-soluble, ¼, ½ sec., 30-35 cps., bbls., works, dry weight..lb. .28 - —
5-6, 15-20 cps. and higher, bbls., works, dry weight. lb. .25 - —
Nitrocellulose:—Denatured alcohol used in manufacture is charged extra. Barrels extra, but returnable.
Nitroethane, dms., works.....lb. .25 - —
Nitrogen solut., tanks.....ton.108.21 - —
Prices adjusted to ammonia sulphate basis from ports, and anhydrous ammonia basis, Hopewell, Va., bulk, works.
Nitrogenous process tankage, bulk, works..unit-ton. 4.00 - 4.50
Sewage sludge, bulk, works.... unit-ton.3.80+.40- —
Nitromethane, dms., c.l., works. lb. .25 - —
Nitronaphthalene, bots.....lb. .24 - .25
Nitropropane 1, dms., works..lb. .25 - —
M, dms., works.....lb. .25 - —
Nutgalls, bgs.....lb. .44 - .50
Nutmegs, West Indian, bgs...lb. .75 - .80
futures .....lb. .80 - .81
Banda, bgs., futures.....lb. .90 - .91
Nux vomica, bls.....lb. .09¼- .10
powder, bbls., bxs.....lb. .12 - .13

O

Oakbark extract, 25% tannin, bbls., c.l., works..lb. No stocks
Octane, 100° C-140° C, industrial grade dms., c.l., G.S..gal. .15¼- —
l.c.l., g. s.....gal. .20 - —
10 gals., G. S.....gal. .55 - —
tanks, G. S.....gal. .13 - —
Octanol, (see Alcohol, ethylhexyl).
Oil, almond, artificial (see Benzaldehyde).
Bitter, F.F.A., bots.....lb. 4.75 - 5.00
USP, bots. .....lb. 4.90 - —
sweet, exp., dms., cns....lb. 1.10 - 1.45
Angelica root, bots.....lb.115.00 -275.00
Seed, bots.....lb.115.00 -295.00
Anilin (see A).
Anise, USP, Chinese, dms...lb. 1.00 - 1.50
Russian, cns. .....lb. 3.50 - 3.75
Apricot kernel, cns.....lb. .65 - .85
Avocado, cns., dms.....lb. 1.00 - 1.10
Babassu, tanks .....lb. No prices
Bay, W. I., 50-55%, cns...lb. 1.35 - 1.70
Puerto Rican, 50-55%, cns..lb. 1.43 - 1.80
Bergamot, artif., cns.....lb. 2.25 - 5.50
natural, Italian, cns.....lb. 4.75 - 6.50
Birch (see Oil, sweet, birch).



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Oil, birchtar, crude, cns.....lb. 5.00 - 6.00
rectified, cns.....lb. No stocks
Bois de rose, Brazil, cns.....lb. 4.70 - 6.00
Mexican (see Oil, lignaloe wood).
Bone, dms., works.....gal. .65 - .70
Cajeput, tech., dms.....lb. 2.70 - 2.80
redistilled, USP IX, cns...lb. 2.85 - 3.20
Calamus, cns.....lb. 20.00 -30.00
Camphor, white, nat., cns.....lb. .75 - 1.25
synthetic, dms.....lb. .15 - .35
Cananga, native, cns.....lb. 8.00 -14.00
rectified, cns.....lb. 10.50 -17.00
Capsicum (see Capsicum, oleoresin).
Caraway, NF, cns.....lb. 5.60 - 6.75
Cardamom, bots.....lb. 22.50 -30.00
Cassia, USP, cns.....lb. 3.50 - 6.50
Castor, blown, rct. dms., c.l.. No prices
l.c.l.....lb. No prices
cold-pressed, U.S.P., rct. dms., c.l..lb. .31¼- —
l.c.l.....lb. .32½- —
tanks.....lb. .30½- —
dehydrated, bodied, dms., c.l. lb. No prices
l.c.l.....lb. .29½- —
tanks.....lb. .26 - —
unbodied, dms., c.l.....lb. No prices
l.c.l.....lb. .33 - —
unbodied, tanks.....lb. .30½- —
No. 3, tech., dms., c.l.....lb. .31¼- —
l.c.l.....lb. .32¼- —
tanks.....lb. .30¼- —
sulphonated, 50% (49% fat), dms., c.l..lb. No prices
l.c.l.....lb. .16 - .29
75% (62-64% fat), dms., c.l. lb. No prices
l.c.l.....lb. .26 - .29
Cedarleaf, USP, cns., dms..lb. 2.50 - 2.70
Cedarwood, USP, cns.....lb. .80 - 1.50
dms.....lb. .85 - 1.20
Celery, bots.....lb. 17.50 -22.50
Chaulmoogra, USP, cns., dms. lb. .56 - .85
Chinawood (see Oil, tung).
Cinnamon bark oil, bots.....lb. 32.00 -60.00
leaf, dms.....lb. 1.40 - 1.85
Citronella, Ceylon, cns.....lb. 2.10 - 2.75
Java, cns.....lb. 4.75 - —
Clove, USP, cns.....lb. 1.50 - 1.85
Coconut, Ceylon type, tankcars. lb. .21 - —
tankcars, Pac. Coast....lb. .26 - —
refined, Cochin type.....lb. .25¼- —
Cod, Newfoundland, dms....gal. No prices
tanks.....gal. No prices
Codliver, USP, bbls., dms..gal. 2.60 - 3.70
Coriander, bots.....lb. 17.50 -22.50
Corn, crude, tanks, works..lb. .31½- —
refined, tanks, works.....lb. .35 - .35½
foots, acid, 95%, tanks, dlvd. E..lb. .16 Nom.
raw, 50%, tanks, dlvd. E.lb. .08 Nom.
Cottonseed, crude, tanks, works (see Cottonseed Oil market report).
deodorized, winterized, salad, dms., c.l..lb. .37¼ Nom.
l.c.l.....lb. .37¾ Nom.
tankcars.....lb. .36 Nom.
foots, acid 95%, tanks, dlvd. E..lb. .16 Nom.
raw, 50%, tanks, dlvd. E. lb. .08 Nom.
Creosote (see C).
Croton, NF, cns.....lb. 4.75 - 5.50
Cubeb, cns.....lb. 8.00 -13.00
Crude (see Petroleum, crude)
Cumin, bots.....lb. 8.50 -22.00
Cypress, bots.....lb. 12.00 -16.00
Degras (see D).
Dillseed, bots.....lb. 6.50 - 7.00
Dillweed, bots.....lb. 4.50 - 5.25
Dip (see D).
Erigeron, cns.....lb. 2.25 - 2.40
Eucalyptus, USP, rect., 80-90%, cns..lb. 1.12 - 1.45
70-80%, cns.....lb. 1.06 - 1.40
Fennel, sweet, cns.....lb. 3.75 - 4.55
Fir, Canada, cns.....lb. 2.50 - 2.80
Fishliver, dms., less than 40,000 A units per gram.... per million units. .30 - —
for each 1,000 additional A units up to 200,000 grams. per million units. .001 - —
200,000 or more A units..... per million units. .48 - —
Fuel (see Petroleum, fuel oil).
Garlic, pure, bots.....oz. 15.00 - —
Gaultheria (see Oil, wintergreen).
Geranium, Algerian, cns.....lb. 16.00 -28.00
Bourbon, cns.....lb. 14.50 -22.00
Russian, cns.....lb. No stocks
Turkish (see Oil, palmarosa).
Ginger, dist., bots.....lb. 10.50 -14.00
Grapefruit, Florida, cns.....lb. 2.20 - 2.45
California, bots., cns.....lb. 1.78 - 2.50
Grease, common, No. 1, bbls., c.l..lb. No prices
extra, No. 1, bbls., c.l....lb. No prices
Winter strained, bbls., c.l..lb. No prices
prime, burning, bbls., c.l..lb. No prices
inedible, bbls., c.l.....lb. No prices
Guaiacwood, cns.....lb. 2.70 - 4.00
Hemlock, cns.....lb. 2.55 - 2.75
Herring, crude, tanks, Pac. coast..lb. No prices
Juniper berry, dom., bots....lb. 9.00 -12.50
imported, USP.....lb. 14.00 -15.00
Juniper tar, USP (see Juniper Tar).
Juniper wood, tech., cns.....lb. .85 - 1.00
Lard oil (see Oil, grease).
Laurel, bots.....lb. No prices
Lavandin, cns.....lb. 4.00 - 5.00
Lavender flower, French, 38%-42% ester, cns..lb. 10.00 -17.00
30-32% ester.....lb. 6.00 -10.00
Russian, cns.....lb. 12.50 -13.75
Spike, Spanish, pure, cns...lb. 2.05 - 3.10
tech., cns.....lb. 1.05 - 2.50
Lemon, USP, Calif., cns....lb. 3.25 - 3.50
Messina, cns.....lb. 3.40 - 4.00
Lemon, USP, Calif., cns....lb. 3.25 - 3.50
Messina, cns.....lb. 3.40 - 4.00
Terpeneless, bots.....lb. 40.00 -50.00
Lemongrass, cns., dms.....lb. 2.90 - 3.40
Lignaloe seed, Mexican, cns.lb. No stocks.
Wood, Mexican, cns.....lb. 4.60 - 5.75
Brazilian (see Bois de Rose).
Lime, distilled, Mexican, cns. lb. 5.25 - 7.20
West Indian, cns.....lb. 5.75 - 7.50
expressed, West Indian, cns.lb. 13.00 -15.00
Linseed, raw, dms., c.l.....lb. .39 - —
l.c.l.....lb. .3940- .3980
tankcars.....lb. .38 - —
tankwagon.....3820- —
Boiled linseed oil, .004 higher than raw.
Linseed, replacement, dms., c.l. lb. .3260 Nom.
l.c.l.....lb. .3300- .3380
tanks.....lb. .3160 Nom.
Lubricating, at refinery, ex tax, California, neutral, pale, 200-800 vis., 2¼-4 pour, tanks..gal. .07¼ .11
red, 200-900 vis 4-6¾ pour, plus tanks..gal. .07¼- .11¼
Group 3, bright stock, 150-160 vis., 0.25 pour, tanks. gal. .23 - .25
neutral, 300 vis., No. 3, col., 0.10 pour, tanks. gal. .18½- .19
200-300 vis., No. 3, col., 15-25 pour, tanks.gal. .16 - .18
145-155 vis., No. 3, color, 10-25 pour, tanks.gal. .26 - .31

Oil, lubricating, at ref'y., ex tax, Group 3, cylinder oils, 600-630 flash, tanks.gal. .17 - .19
600-650 steam, refd., tanks..gal. .15½- .20
neutral, 70° F., No. 3 color, 150 vis., 25 pour, tanks, gal. .26 - .36
200 vis., 25 pour, tanks, gal. .28 - .38
Mace, dist., cns., dms.....lb. 8.50 - 9.50
Mineral, white (see Oil, white).
Mandarin, Brazilian, cns....lb. 5.25 -10.00
Menhaden, crude, tanks, Balto. lb. .18½ Nom.
refined, alkali, dms., c.l..lb. .30½- —
kettle-bodied, dms., l.c.l..lb. .32 - —
light-pressed, dms., l.c.l..lb. .29 - —
tanks.....lb. .28 - —
Mustard, artif., USP, cns....lb. 1.45 - 1.65
Seed, exp., dms., c.l.....lb. .30 - —
Neatsfoot, 15°, rct. dms., wks., lb. .52 - —
20°, rct. dms., works.....lb. .50 - —
30°, rct. dms., works.....lb. .49 - —
Neroli, French, bots.....lb. 150.00 -390.00
Haitian, bots.....lb. 180.00 -200.00
Nutmeg, cns.....lb. 8.50 - 9.50
Ocotea cymbarum, dms.....lb. .90 - 1.00
Oiticica, liquid, tankcars....lb. .34¼- —
dms., carlots.....lb. .35½- —
l.c.l.....lb. .35¾- —
Oleo, extra, tcs., Chicago....lb. .26¼- —
Olibanum, bots.....lb. 5.00 - 6.05
extra fine.....lb. 6.25 -10.50
Olive, denat., dms.....gal. No stocks.
edible, Calif., 3¾-4¼ f.f.a., dms., extra, works..gal. No prices.
imported, dms.....gal. 7.25 - 7.50
foots, dms., c.l.....lb. No prices.
tankcars.....lb. No prices.
sulphonated, 50% (40% fat), dms., c.l..lb. No stocks.
l.c.l.....lb. No stocks.
80% (68% fat), dms., c.l.lb. No stocks.
l.c.l.....lb. No stocks.
85% (68% fat), dms., c.l.lb. No stocks.
l.c.l.....lb. No stocks.

Oil, orange, sweet, dist., cs..lb. 1.25 - 1.75
expressed, USP, Brazilian, cns..lb. 1.45 - 2.00
Calif., cns.....lb. 1.60 - 2.10
Florida, cns., dms.....lb. 1.45 - 1.85
Messina, coppers.....lb. No stocks.
West Indian, cns.....lb. 2.25 - 3.75
sesquiterpeneless, bots.....lb. 100.00 -135.00
Origanum, Spanish, cs.....lb. 2.40 - 3.25
Palm, Niger, dms.....lb. No prices.
Palmarosa, cns.....lb. 8.50 - 9.50
Palmkernel, crude, bulk, c.i.f., N. Y..lb. No prices.
Paraffin, 800° flash, 100-110 vis., tanks, G.3..gal. .05¾- —
650° flash, 90-70 vis., tanks, G.3..gal. .08½- —
850° flash, 70-80 @ 100 vis., 6/10 pour, G.3..gal. .08 - —
80-85 vis., 6/10 pour, bbls. extra, ind. ref'y..gal. .13 - —
100-110 vis., 6/10 pour, same basis..gal. .09¾- —
10/25 pour, same basis.gal. .09¼- —
Patchouli, imported, cns.....lb. 48.00 -98.00
Peanut, crude, tanks, works.lb. .31½- —
foots, acid, 95%, tanks, dlvd. E..lb. .16 Nom.
raw, 50%, tanks, dlvd., E.lb. .08 Nom.
refined, dms.....lb. .37 - .37½
Pennyroyal, dom., dms., cns.lb. 3.85 - 3.95
import, cns.....lb. 4.25 - 4.60
Peppermint, natural, dms...lb. 7.75 - 8.25
redist., USP, dms.....lb. 8.50 - 8.75
Perilla, crude, dms.....lb. No stocks
Petitgrain, Paraguay, cns...lb. 3.25 - 4.00
Pimento, berry, dms.....lb. 5.75 - 8.00
Leaf, cns.....lb. 2.75 - 5.75
c.l., extra, wks., South. gal. .67 - —
l.c.l., same basis.....gal. .68 - —
tanks, wks., South.....gal. .61 - —
steam-dist., dms., dlvd. E.gal. .80 - —
Pinneedle, cns.....lb. 3.25 - 3.60

Oil, putty, petroleum, heavy, dms. gal. .18 - —
tankwagon.....gal. .15½- —
light, dms.....gal. .16½- —
tankwagon.....gal. .13½- —
Rapeseed, dms., c.l.....lb. .32 Nom.
Red, single dist., rct. dms...lb. .29¾- .30¾
tanks, dlvd., E. of Rockies, lb. .28½- —
double dist., rct. dms.....lb. .32¼- .33¼
Rose, natural, coppers.....oz. 31.25 -40.00
Rosemary, Spanish, tech., cns., dms..lb. 1.10 - 1.60
USP, cns., dms.....lb. 1.40 - 1.75
Rosin, 1st rectified, dms....gal. .66 - —
2d rectified, dms.....gal. .56 - —
3d rectified, dms.....gal. .72 - —
Rue, pure.....lb. 4.75 - 5.25
Sage, Dalmatian, cns.....lb. 5.75 - 6.50
Spanish, cns.....lb. 2.25 - 3.50
Sandalwood, NF, Mysore, cns., case lots..lb. 16.00 -21.00
Sardine, crude, tanks, Pac. coast..lb. .23½ Nom.
refined, alkali, dms., l.c.l..lb. .30¾- —
kettle-bodied, dms., l.c.l..lb. .32 - —
light-pressed, dms., l.c.l..lb. .29 - —
tanks.....lb. .28 - —
Sassafras, artificial.....lb. .80 - 1.10
natural, Brazilian (see Oil, ocotea cymbarum).
domestic, USP XII, cns., dms..lb. 1.85 - 2.00
Savin, cns.....lb. 6.25 -17.00
Savory, cns.....lb. 8.00 - —
Seal, No. 1, tanks, U.S. ports. lb. No prices
Sesame, tanks.....lb. No prices
Shingle stain, bbls., c.l., works, gal. .2185- —
l.c.l., works.....gal. .25 - .29
tanks, works.....gal. .15 - .16
Snakeroot, Canada, cns.....lb. 27.00 - —
Soybean, clarified, dms., c.l..lb. .2913- —
dms., l.c.l.....lb. .2950- —
tanks.....lb. .2813- —
crude, tankcars, mills.....lb. .28 - —
refd., alkali, dms., c.l.....lb. .3083- —
l.c.l.....lb. .3120- —
tankcars.....lb. .2937- —

Newly Developed AROMATIC CHEMICALS

The new odor successes in the perfume and cosmetic field will be based on these.

AMUSKAL
A high carbon chain chemical giving surprising lift to perfume products to which it is added. It also enhances lasting qualities — very little goes a long way. Economical to use. Write for sample and prices.

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ESTABLISHED 1910 GD AROMATICS DIVISION

Oil, soybean, refd., alkali, dms., c.l.	lb.	.2963- —
l.c.l.	lb.	.3020- —
tankcars	lb.	.2837- —
feots, acid, 96%, tanks, divd. E.	lb.	.16 Nom.
raw, 50%, tanks, divd. E.	lb.	.08 Nom.
Spearmint, dms.	lb.	12.25 -15.00
Sperm, bleached, 38°, dms.	lb.	No prices
natural, 45°, dms.	lb.	No prices
Spruce, cns., dms.	lb.	2.50 - 2.75
Sunflower, imported, refined, tanks.	lb.	No prices
semi-refined, tanks.	lb.	No prices
Sweet birch, North, cns.	lb.	5.00 - 7.25
South, cns.	lb.	2.50 - 3.25
Tall, crude, dms., c.l., works	ton.	No prices
l.c.l., works	ton.	No prices
tanks, works	ton.	No prices
Refined, dms., c.l., works	lb.	.08½- .09½
l.c.l., works	lb.	.09 - .10
tanks, works	lb.	.07½- .08½
Tallow, acidless, dms., c.l., Chicago	lb.	.27 - —
Tansy, cns.	lb.	12.00 - —
Tar, pine, crude, dms., extra, c.l., works, South	gal.	.36½- —
l.c.l., works, South	gal.	.38½- —
tanks, works, South	gal.	.30½- —
rectified, USP, l.c.l. dms. extra, wks., South.	gal.	.37 - —
Tar acid (see T).		
Thyme, red, NF, cns.	lb.	2.60 - 3.00
White, cns.	lb.	2.85 - 3.75
technical, cns.		.75 - .90
Tung, dms., c.l.	lb.	.39 - —
l.c.l.	lb.	.40 - .40½
tankcars	lb.	.38 Nom.
Turkey red (see Oil, castor, sulphonated).		
Turpentine, rectified, USP, cns., dms.	lb.	.50 - .55
Vetiver, Bourbon, cns.	lb.	34.00 -42.50
Haitian	lb.	29.50 -35.00
Whale, ref., natural, dms.	lb.	No stocks
Winter bleached, dms.	lb.	No stocks
Oil, wheat germ, dms.	gal.	10.00 -13.50
White, mineral, tech., f.o.b., N. Y., 50-60 vis., dms., incl., c.l.	gal.	.42 - —
l.c.l.	gal.	.44 - .49
65-75 vis., dms., dms. incl., c.l.	gal.	.45 - —
l.c.l.	gal.	.47 - .52
USP, 80/90 vis., dms., dms. incl., c.l.	gal.	.49 - —
l.c.l.	gal.	.51 - .56
125/135 vis., dms., dms. incl., c.l.	gal.	.61 - —
l.c.l.	gal.	.64 - .69
145/155 vis., dms., dms. incl., c.l.	gal.	.63 - —
l.c.l.	gal.	.66 - .70
175/185 vis., dms., dms. incl., c.l.	gal.	.66 - —
l.c.l.	gal.	.68 - .73
200/210 vis., dms., dms. incl., c.l.	gal.	.70 - —
l.c.l.	gal.	.73 - .77
335/345 vis., dms., dms. incl., c.l.	gal.	.78 - —
l.c.l.	gal.	.80 - .85
55, 70 and 85 vis., non-ret. dms., San Francisco.	gal.	.45 - —
smaller lots, same basis.	gal.	.47 - .50
100 vis., non-ret, dms., 65 dms., San Francisco.	gal.	.56½- —
smaller lots, same basis.	gal.	.57½- .61½
145 vis., non-ret dms., 65 dms., San Francisco.	gal.	.64 - —
smaller lots, same basis.	gal.	.66 - .68
180 vis., non-ret. dms., 65 dms., San Francisco.	gal.	.69½- —
smaller lots, same basis.	gal	.71½- .74½
240 vis., non-ret. dms., 65 dms., San Francisco.	gal.	.81 - —
smaller lots, same basis.	gal.	.83 - .86
Oil, wintergreen, natural, North, cns.	lb.	5.50 -17.25
South, cns.	lb.	3.85 - 6.00
synthetic (see Methyl salicylate,		
Wood (see Oil, tung).		
Wormseed, cns.	lb.	5.00 - 6.75
Wormseed, cns.	lb.	5.55 - 6.75
Ylang-ylang, Bourbon, extra, bots.	lb.	17.00 -24.00
first, bots.	lb.	13.00 17.00
seconds, bots.	lb.	8.00 -14.00
third, bots.	lb.	5.00 - 9.00
Oleostearin, loose, Chicago	lb.	No prices
Olivine, aggregate, c.l., mines.	ton.	7.00 - 9.50
crushed, 8 mesa, bulk, c.l. works	ton.	10.00 - —
paper bgs., c.l., works	ton.	12.00 - —
lumps, bulk, c.l., works	ton.	7.00 - —
Opium, USP, cns.	lb.	21.50 -21.53
gran.	lb.	22.70 -22.93
powd.	lb.	22.70 -22.94
Orange, cadmium lithopone, bbls., frt. alld. E. of Rockies.	lb.	.35 - .38
Chrome, CP, bbls., divd. N. of Tenn. and N. C., E. of Miss. R., includ. Davenport, Minneapolis, Rock Island, St. Louis, St. Paul, contracts.	lb.	.24 - —
Chrome orange prices are ¼c. higher, divd. Ala., Fla., Ga., La. (Shreveport), 1¼c. Miss., N. C., S. C., Tenn., Dallas, Tex., 1¼c.; Ft. Worth, Tex., 1¾c., El Paso, Tex., 2c.; Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph, 1.6c. higher divd. Pac. Coast, for Denver, Pueblo, Salt Lake City, Wichita prices are equalized with Chicago.		
Orange, dinitroanilin toner, bbls.	lb.	1.15 - —
Molybdate, bbls.	lb.	.87½- —
Orthonitroanilin toner, bbls., kgs., works	lb.	.95 - 1.05
Persian, bbls.	lb.	.30 - .45
Orange mineral, American, bbls., 5 tons, divd. Ala., Cal., Fla., Ga., La., Miss., Tex. and W. of Cascade Mts. in Ore. and Wash.	lb.	.16½- —
Ariz., Idaho, Nev., Utah, and E. of Cascade Mts. in Ore. and Wash.	lb.	.19 - —
Mont., Wyo., Colo., N. Mex.	lb.	.18¾- —
other points.	lb.	.18¾- —
smaller lots, Ala., etc.	lb.	.19 - —
Ariz., etc.	lb.	.19¼- —
Colo., Mont., N. M., Wyo.	lb.	.19¼- —
other points.	lb.	.18¾- —
Orange flowers, bis.	lb.	.46 - .48
Orange peel, bitter, Haitian, bls.	lb.	.14 - .15
Sweet, bls.	lb.	.13½- .14
Oregano, Italian, bgs.	lb.	.37 - .37½
Portuguese, bgs.	lb.	.34½- .35½
Orris root, Florentine, bls.	lb.	.40 - .41
Verona, bls.	lb.	.85 - .90
Portuguese, bls.	lb.	.30 - .31
Ortoamymphenol, dms., works.	lb.	.25 - —
Orthoanisidin, bbls.	lb.	.70 - —
Orthochloroanilin, dms.	lb.	.60 - —
Orthochlorophenol, dms.	lb.	.25 - .27
Orthocresol, 30.4° C., min., M.P., dms., c.l., works.	lb.	.17½- .20
l.c.l., works	lb.	.18 - .19½
29° C. min., M.P., dms., c.l., works.	lb.	.16½- .17
l.c.l., works	lb.	.17 - .17½
Orthodichlorobenzene, dms., c.l., works, frt. alld. E. of Rockies.	lb.	.07½- .08
l.c.l., same basis	lb.	.08¼- .10
tanks, same basis.	lb.	.07 - —
Orthodichlorobenzene prices W. of Rockies 1c. per lb. higher.		
Orthonitroanilin, dms.	lb.	.42 - .45
Orthonitrochlorobenzene, dms.	lb.	.15 - .18
Orthonitrodiphenyl, tech., grade A., dms., c.l., works.	lb.	.10 - —
l.c.l., works	lb.	.11 - —
grade B, dms., c.l., works.	lb.	.09 - —
l.c.l., works	lb.	.97 - —
Orthonitroparachlorophenol, cns.	lb.	.75 - —
Orthonitrotoluene, dms.	lb.	.08 - .09
Orthophenetidin, dms.	lb.	.90 - —
Orthotoluidin, dms.	lb.	.18 - .19
Osage orange crystals, bbls.	lb.	.23 - —
extract, No. 1, bbls.	lb.	.14 - —
Ouabaine, USP, bots.	gram	3.00 - 4.00
Oxyquinolin sulphate, cns., 100 lbs., works.	lb.	6.40 - —
small lots, works.	lb.	6.55 - 7.40

P

Papain, powd., cs.	lb.	6.50 - 6.75
Papaverine, natural or synthetic, hydrochloride, NF, cns., 100-oz. lots.	oz.	7.00 - —
smaller lots.	oz.	7.05 - 7.25
Sulphate cns.	oz.	7.10 - 7.25
Paprika, Chilean, bgs.	lb.	.38 - .39
Portuguese, bgs.	lb.	.43 - .45
Spanish, bgs.	lb.	.51 - .53
Para-anisidin, dms., works.	lb.	.75 - —
Parachlorophenol, dms., c.l., works, lb.		.24 - —
l.c.l., same basis.	lb.	.25 - .27
Paracresol, bots., works.	lb.	.41 - —
Paracymene, dms., c.l., works.	lb.	.1525- —
l.c.l., same basis	lb.	.1645- —
tanks, same basis	lb.	.1545- —
Paradichlorobenzene, dms., c.l., works.	lb.	.12¼- —
l.c.l., same basis.	lb.	.14 - —
Paraffin, crude, scale, white or yellow, 124-126 ASTM, bbls., c.l., refinery.	lb.	.06 - .06¼
fully ref'd slabs, loose, 117-119 ASTM, c.l., refinery.	lb.	.05 - —
123-125 ASTM, refinery.	lb.	.0610- .0645
125-127 ASTM, refinery.	lb.	.0610- .0655
128-130 ASTM, refinery.	lb.	.0640- .0675
130-132 ASTM, refinery.	lb.	.0665- —
133-135 ASTM, refinery.	lb.	.0695- .0710
135-137 ASTM, refinery.	lb.	.0720- —
Prices in bags 4/10c. lb. higher.		
Parafermaldehyde, dms. 1,000 lbs. or more, works.	lb.	.21 - —
smaller lots, works.	lb.	.23 - —
Paraldehyde, tech., 95%, 55 and 110-gal. dms., l.c.l., wks.	lb.	.13 - —
10-gal. dms., works.	lb.	.16 - —
USP, cbys.	lb.	.40 - —
Paranitroanilin, kgs., works.	lb.	.41 - .43
Paranitrochlorobenzene, kgs., wks.	lb.	.19 - —
Paranitrophenol, kgs.	lb.	.33 - —
Paranitrotoluene, kgs., works.	lb.	.89 - —
Paraphenylenediamine, tech., kgs.	lb.	1.25 - —
Paratoluenesulphonamide, bbls.	lb.	.70 - —
Paratoluidin, bbls., works.	lb.	.44 - —
Paris green, dealer, distributor, dms., kgs., c.l., works, frt. alld. East.	lb.	.31 - —
l.c.l., same basis.	lb.	.33 - .38
Passion flower herb, bls.	lb.	.48 - .50
Patchouli leaves, bls.	lb.	.38 - .40
Pectin, bbls.	lb.	1.25 - —
Penicillin, amorph., calcium, bulk, 1,000,000,000 units.	100,000 units.	.21 - —
sodium, bots.	100,000 units.	.27 - —
cryst., sodium, bots.	100,000 units.	.31 - —
bulk, 1,000,000,000 units.	100,000 units.	.25 - —
Pennyroyal leaves, bls.	lb.	.24 - .25
Pentachlorophenol, dms., works, lb.		.20 - .25
Pentaerythritol, CP, bbls., divd.	lb.	.75 - —
smaller containers	lb.	1.00 - —
tech., bbls., c.l.	lb.	.27 - —
l.c.l.	lb.	.31 - —
Pentane, 28°-38° C., industrial grade, dms., c.l., Group 3.	gal.	.11 - —
l.c.l., dms., Group 3.	gal.	.19 - —
tanks, Group 3.	gal.	.07½- .07¾
28°-38° C. laboratory grade, 10-gal. cns., divd. E.	gal.	.55 - —
dms., c.l., Group 3.	gal.	.16 - —
l.c.l., Group 3.	gal.	.22 - —
Pepper, black, bgs.	lb.	.54½- .55
futures, bgs., Feb.	lb.	.52 - .54
Red, capsicum, Carolina, longs, new crop, bgs., shipment point.	lb.	.50 - .55
sports, old crop, bgs.	lb.	No stocks
Louisiana, longs, new crop, bgs., shipment point.	lb.	.40 - .41
sports, bgs.	lb.	No stocks
Niger, bgs.	lb.	.45 - .46
Chillies, Haitian, bgs.	lb.	.56 - .57
Mexican, long.	lb.	.50 - .51
White, bgs.	lb.	.58 - .59
Peppermint, dom., USP, bls.	lb.	1.00 - 1.05
imported, USP, bls.	lb.	.96 - 1.00

Perchloroethylene, dms., c.l., Zone 1, works, frt. alld.	lb.	.09½	—
Zone 2, same basis	lb.	.09¾	—
Zone 3, same basis	lb.	.10¼	—
Zone 4, same basis	lb.	.10¼	—
l.c.l., Zone 1, same basis	lb.	.09¾	—
Zone 2, same basis	lb.	.10¼	—
Zone 3, same basis	lb.	.10¾	—
Zone 4, same basis	lb.	.10¾	—
Perchloroethylene zones are:—(1) Conn., Del., Ill., Ind., Ia., Ky., Me., Md., Mass., Mich., Minn., Mo., Neb. (Omaha), Kans. (Kansas City), N. J., N. Y., N. C., Ohio, Pa., R. I., Tenn., Vt., Va., W. Va., Wis.; (2) Ala., Ark., Fla., Ga., Kansas, La., Miss., Neb., N. D., Okla., S. C., S. D.; (3) Col., Mont., (E) N. M., Tex., Wyo.; (4) Ariz., Cal., Idaho, Mont. (W), Nev., Ore., Utah, Wash.			
Peru balsam, dms.	lb.	1.20	- 1.25
Petrolatum, tech., dark, bbls., c.l., Group 3	lb.	.021	- —
golden topaz, bbls., c.l.	lb.	.023	- —
l.c.l.	lb.	.036	- —
red, veterinarian, bbls., c.l.	lb.	.024	- —
l.c.l.	lb.	.028	- —
USP, amber, non-ret. dms., c.l.	lb.	.05	- —
l.c.l.	lb.	.06	- —
extra, amber, dms., c.l.	lb.	.05¼	- —
l.c.l.	lb.	.06¼	- —
cream, c.l., dms.	lb.	.07	- —
l.c.l.	lb.	.08½	- —
white, lily, dms., c.l.	lb.	.07¼	- —
l.c.l.	lb.	.08¾	- —
snow, dms., c.l.	lb.	.08¼	- —
l.c.l.	lb.	.09¾	- —
soft, dms., c.l.	lb.	.07¼	- —
l.c.l.	lb.	.08¼	- —
yellow, soft, dms., c.l.	lb.	.05¼	- —
l.c.l.	lb.	.06½	- —
Petroleum, crude, bulk, at wells, California, heavy grades	bbl.	1.28	- 1.80
Illinois	bbl.	1.60	- 1.82
Kentucky, Union County	bbl.	1.72	- 1.77
Louisiana-Arkansas	bbl.	1.19	- 1.96
Montana	bbl.	1.30	- 1.79
Oklahoma-Kansas	bbl.	1.30	- 1.90
Pennsylvania, lower field	bbl.	3.30	- 3.65
Upper field	bbl.	1.76	- 3.50
Texas East	bbl.	1.30	- 1.80
Gulf coast	bbl.	1.38	- 1.96
North, North-Central	bbl.	1.46	- 1.70
Panhandle	bbl.	1.25	- 1.70
West	bbl.	1.15	- 1.83
Wyoming	bbl.	.95	- 1.70
Ether, laboratory grade, 30°-60° C, 10-gal. cns., dlvd. E.	gal.	.55	- —
dms., c.l., Group 3	gal.	.16	
l.c.l., same basis	gal.	.20	- —
30°-60° C, 10-gal. cns., dlvd. E.	gal.	.55	- —
dms., c.l., Group 3	gal.	.16	- —
l.c.l., same basis	gal.	.20	- —
40°-75° C., 10-gal. cns., dlvd. E.	gal.	.55	- —
dms., c.l., Group 3	gal.	.16	- —
l.c.l., same basis	gal.	.20	- —
Fuel oil, furnace, tanks, at refinery, Arkansas, No. 2	gal.	.04½	- —
No. 5	gal.	.04¾	- —
Bayonne, No. 3, tanks	gal.	.0340	- —
California, heavy	bbl.	1.30	- 1.35
light	bbl.	1.50	- 1.55
diesel	gal.	.0675	- .0725
Group 3, No. 1	gal.	.04¾	- .04¾
No. 2, straw	gal.	.04½	- .04½
No. 3	gal.	.04	- .04½
Oklahoma, No. 1, p.w.	gal.	.04¾	- .05½
No. 1, straw	gal.	.04¾	- —
No. 2, straw	gal.	.04½	- .04½
No. 3	gal.	.04	- .04¼
No. 6	bbl.	1.15	- 1.35
range	gal.	.04½	- —
Pennsylvania, No. 1	lb.	.05¾	- .07
No. 2	gal.	.06¼	- .06¾
No. 3	gal.	.06¼	- .06¾
30-40 gravity	gal.	.06¼	- —
Bunker C (No. 6), tanks, Albany, N. Y.	bbl.	2.02	- —
Baltimore, Md.	bbl.	1.82	- —
Boston, Mass.	bbl.	2.06½	- —
Charleston, S. C.	bbl.	1.98	- —
Jacksonville, Fla.	bbl.	1.98	- —
New York, N. Y.	bbl.	2.02	- —
Norfolk, Va.	bbl.	1.98	- —
Philadelphia, Pa.	bbl.	2.02	- —
Portland, Me.	bbl.	2.06	- —
Providence, R. I.	bbl.	2.04	- —
Savannah, Ga.	bbl.	1.98	- —
Lacquer diluent, California, 100 l.b.n., 200 e.p., tanks, dlvd. Los Angeles	gal.	.11	- —
Seattle, Wash.	gal.	.12	- —
East Coast, N. J., N. Y., tanks, refinery	gal.	.12¾	- —
Group 3 benzol type, tanks	gal.	.08¾	- .09¾
toluol type, tanks	gal.	.09¾	- .09¼
San Francisco	gal.	.11½	- —
Portland, Ore.	gal.	.13	- —
Mineral spirits, California, San Francisco, 170-250 b.r., tanks	gal.	.11½	- —
226-260 b.r., tanks	gal.	.11½	- —
244-362 b.d., tanks	gal.	.11½	- —
307-360 b.r., tanks	gal.	.11	- —
312-402 b.r., tanks	gal.	.10	- —
362-456 b.r., tanks	gal.	.10	- —
East Coast, N. J., N. Y., tanks, refinery	gal.	.11	- —
Group 3, tanks, refinery	gal.	.07½	- —
Gulf coast, tanks	gal.	.07¾	- —
tankwagon, Baltimore	gal.	.14½	- —
Boston	gal.	.13	- —
Buffalo	gal.	.13½	- —
Camden, N. J.	gal.	.11½	- —
Chicago	gal.	.1460	- —
Detroit	gal.	.1710	- —
Kansas City, Mo.	gal.	.143	- —
Lancaster, Pa.	gal.	.12½	- —
Newark	gal.	.12	- —
New York	gal.	.12	- —
Philadelphia	gal.	.13	- —
Pittsburgh	gal.	.13½	- —
Providence	gal.	.15	- —
Rochester	gal.	.13½	- —
St. Louis	gal.	.140	- —
Syracuse	gal.	.15½	- —
Washington, D. C.	gal.	.14½	- —
Wilmington, Del.	gal.	.13	- —
Naphtha, cleaners, California, tanks, San Francisco	gal.	.13	- —
East coast, N. J., N. Y., tanks, refinery	gal.	.11	- —
Group 3, tanks, refinery	gal.	.06¼	- —
tankwagon, Newark	gal.	.06½	- —
Chicago	gal.	.143	- —
Detroit	gal.	.1514	- —
New York	gal.	.13	- —
Philadelphia	gal.	.126	- —
St. Louis	gal.	.1470	- —
high-solvency, No. 3, tanks, Paulsboro, N. J.	gal.	.16	- .22½
No. 30, tanks, same basis	gal.	.17	- .23
No. 40, tanks, same basis	gal.	.17¼	- .23
No. A-80, tanks, Carteret, N. J.	gal.	.21½	- —
Petroleum, naphtha, high solvency, No. A-80, tanks, Chicago, Cincinnati, Detroit	gal.	.24	Nom.
No. B-90, tanks, all shipping points	gal.	.24½	- —
No. A-80, tanks, Carteret, N. J.	gal.	.23	- —
V.M.&P., at refinery, California, 46.5, 254 l.b.p., 380 e.p., tanks, El Segundo	gal.	.12	- —
Richmond	gal.	.12½	- —
Portland, Ore., Seattle, Wash.	gal.	.19	- —
64-77, 199 l.b.p., 310 e.p., Los Angeles	gal.	.11	- —
San Francisco	gal.	.11½	- —
Portland, Seattle	gal.	.12	- —
E. Coast, N. J., N. Y., tanks, refinery	gal.	.12	- —
Group 3, tanks	gal.	.081	- .08125
Gulf Coast (dlvd. New Orleans), tanks	gal.	.06¾	- —
tankwagon, Boston	gal.	.14	- —
Chicago	gal.	.149	- —
Detroit	gal.	.168	- —
Milwaukee	gal.	.165	- —
Minneapolis	gal.	.164	- —
Newark	gal.	.13½	- —
New York	gal.	.13	- —
Philadelphia	gal.	.13½	- —
Pittsburgh	gal.	.14½	- —
St. Louis	gal.	.159	- —
Solvent, rubber, at refinery, California, San Francisco tanks	gal.	.11½	- —
East Coast, N. J., N. Y., tanks	gal.	.13	- —
Group 3, tanks	gal.	.06½	- —
Steddard (C.S. 8-53), at refinery:— California (San Francisco) tanks	gal.	.13	- —
East Coast, N. J., N. Y.			
Group 3, tanks	gal.	.07½	- —
Petroleum solvent, Stoddard, at ref'y, Pennsylvania, western, tanks	gal.	.08¼	- —
Petroleum solvent, Stoddard, tankwagon, Boston	gal.	.13	- —
Chicago	gal.	.14½	- —
Detroit	gal.	.16½	- —
Milwaukee	gal.	.15½	- —
Minneapolis	gal.	.1540	- —
Newark	gal.	.13½	- —
New York	gal.	.13	- —
Philadelphia	gal.	.11½	- —
Pittsburgh	gal.	.13	- —
St. Louis	gal.	.14½	- —
Syracuse	gal.	.15½	- —
Sulphonates, 63% sulphonic content, ret. dms., c.l., works	lb.	.09¾	- —
l.c.l., works	lb.	.09¾	- .10¾
tanks, works	lb.	.09¼	- —
50% sulphonic content, ret. dms., c.l., works	lb.	.09¾	- —
l.c.l., works	lb.	.09¾	- .10¾
tanks, works	lb.	.09½	- —
Phenobarbital, dms., 100 lbs.	lb.	3.50	- —
Phenol, 90-92% (cresol, 8-10%), dms., c.l., wks., frt. equald.	lb.	.11	- .12½
l.c.l., same basis	lb.	.11¾	- .13
tanks, same basis	lb.	.10	- .10½
89-94% (cresol, 16-18%), dms., c.l., same basis	lb.	.11	- .11¼
l.c.l., same basis	lb.	.11¾	- .13
tanks, same basis	lb.	.10	- .10½
USP, dms., c.l., same basis	lb.	.11¼	- .13
l.c.l., same basis	lb.	.12	- .13¼
tanks, same basis	lb.	.10¼	- .11¾
Phenolphthalein, USP, bbls., dms., 2,000 lbs.	lb.	.85	- —
smaller lots	lb.	.87	- .93
Yellow, bbl. dms., 2,000 lbs.	lb.	.88	- —
smaller lots	lb.	.93	- .97
Phenothiazin, NF, bbl. dms., ton lots or more, works	lb.	.49	- —
smaller lots, works	lb.	.54	- —
Phenylacetaldehyde solution, 50%, bots.	lb.	2.35	- 2.50
pure, bots.	lb.	4.00	- 5.15
Phenylethyl acetate, dms.	lb.	2.15	- 3.00
Phenylethylphenyl acetate, bots.	lb.	5.25	- 7.50
Phenylhydrazin base, CP, bots.	lb.	4.85	- —
Hydrochloride, CP, bots., works	lb	7.10	- —
commercial, kgs., works	lb.	1.75	- —
Phlorogiucinol, CP, fib. dms.	lb.	13.75	-14.75
tech., fib. dms.	lb.	12.00	-12.50
Phosgene, ton lots, works	lb.	.19	- —
Phosphate, defluorinated (see under L)			
Phosphate rock, Fla., land pebble unground, run-of-mine, washed, dried, 68%-68½% b.p.l., bulk, car at mine, c.l.	long ton.	2.60	- —
70%-68%, same basis	long ton.	3.00	- —
72%-70%, b.p.l., same basis	long ton.	3.60	- —
75%-74%, b.p.l., same basis	long ton.	4.60	- —
77%-76%, b.p.l., same basis	long ton.	5.00	-
entirely pebble 50c. per ton higher than above prices.			
finely ground, 65.5% b.p.i., 80% P_2O_5 minimum	short ton.	3.15	- —
66%, b.p.l., basis 31% P_2O_5 minimum	short ton.	3.35	- —
70%, b.p.l., basis 32% P_2O_5 minimum	short ton.	3.70	- —
Tennessee, brown, unground, run-of-mine, 70-68% b.p.l., 5¼% i. & a., same basis	long ton.	5.50	- —
72%-70%, b.p.l., 5½% i. & a., same basis	long ton.	6.00	- —
29% P_2O_5, same basis	long ton.	3.15	-
30% P_2O_5, same basis	long ton.	5.95	- —

1 Low Evaporation Losses—Skellysolve is free of excessively volatile compounds; fire hazards are reduced.

2 Low End Points, No Greasy Residues—Result in important savings of steam, time and labor; help promote a final product of highest quality.

3 No Unsaturated Compounds—Reduce contaminations and "gum-forming" tendencies.

4 Purity—Skellysolve consists essentially of paraffin or saturated type compounds . . . assures complete stability, even under adverse conditions and repeated use.

5 Close Boiling Ranges—Skellysolve does not suffer fractional distillation. Its composition tends to remain constant during use.

6 Odorless, Tasteless—Skellysolve gives freedom from foreign tastes and odors. This is a major advantage in plants where naphtha odor or taste would be ruinous.

7 Economy—These six points naturally result in greater efficiency, and therefore in greater operating economy.

The 8th Reason for Using SKELLYSOLVE...

DEPENDABILITY

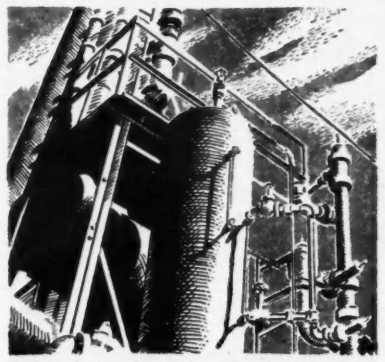
. . . both in quality and supply is a mighty important factor in your operations

"DOC" MacGEE SAYS: *The 8th reason* for using Skellysolve is its dependability. This means dependability in quality and dependability in supply. Skelly is a leading specialist in the manufacture of naphthas of extra quality for industry. As you know, Skellysolve has been the "standard" of industry ever since Skelly pioneered the large scale production of hexane, heptane, and octane type naphthas from natural gas in 1930.

Equally important is the fact that these solvents *never* vary in quality. And our sources of supply are so large that you need never fear an order will not be *promptly filled*, year in and year out.

Some plants have had unfortunate experiences with "cut-price" sources of supply, and know the value of Skelly dependability in quality, delivery, and technical service.

If you use industrial naphthas in your operations, write today for complete information about Skellysolve. There is one to fit your particular needs.



Skelly's plant equipment is modern in every respect

Skellysolve is shipped in tank cars used for no other purpose. There is no chance for contamination or mixture with lead compounds or other materials.

SKELLY

Skellysolve

SOLVENTS DIVISION, SKELLY OIL COMPANY, KANSAS CITY, MISSOURI

SODIUM BICHROMATE

SODIUM CHROMATE

POTASSIUM BICHROMATE

SOLE MFRS. SINCE 1909

BICHROMATE

Natural

NATURAL PRODUCTS REFINING CO. JERSEY CITY, NEW JERSEY.

OF SODA

SODIUM SULPHATE

ALUMINUM HYDRATE

Phosphate rock, Tenn., brown, finely ground, 31% P_2O_5, mine ... 0.45 - —
  32% P_2O_5, same basis ... short ton. 0.70 - —
  35% P_2O_5, same basis ... short ton. 0.90 - —
Phosphorus, red amorphous ... lb. .23 - .30
  tips, export ... lb. .25 - .27
  yellow, ord. c.l. ... lb. .22 - —
Oxychloride, dmk., c.l. ... lb. .10½ - —
Pentoxide, dmk., c.l., works ... lb. .12 - .14
  l.c.l., works ... 100 lbs. 9.50 - —
  sesquisulphide, tons, cs. ... lb. .14 - .17
  Trichloride, dmk., c.l. ... lb. .10½ - .15
Phthalamide, bbls., works ... lb. .25 - .40
Phthalic anhydride, bgs, bbls, c.l. works, frt. alld. Darco, lb. .45 - .60
  l.c.l. same basis ... lb. .14½ - —
  tanks, same basis ... lb. .10½ - —
Picbi leaves, bgs. ... lb. .07 - .09
Picoline (see Alphapicoline and Betapicoline).
Picrotoxin, bots. ... oz. 8.00 - —
Pilocarpine hydrochloride, USP, bots, viols. ... oz. 6.25 - 6.50
  Nitrate, bots, viols. ... oz. 5.15 - 5.35
Pimento, Jamaica, bgs, extra, c.l. ... lb. 34½ - .35
Pinedar, retort, works, South, c.l. ... gal. .30½ - —
  l.c.l., works, dmk., extra ... gal. .35½ - —
  l.c.l., whse., N.Y.C., dmk ... gal. .47½ - —
  tanks, works, South ... gal. .30½ - .35
Pinewood, bbl. ... lb. 1.10 - 1.15
Piperazine hexahydrate, bots ... lb. 16.00 - 17.50
Potash bromide, USP, cryst., gran., 500-lb. bbls, dmk. ... lb. .23 - .30
  Carbonate, calcined, bbls, works, c.l. ... lb. .07½ - —
  l.c.l., same basis ... lb. .08 - —
  hydrated, 82-85%, bbls., c.l. ... lb. .05½ - —
  dmk., l.c.l., same basis ... lb. .06½ - —
  USP, gran., bbls, dmk. ... lb. .15½ - .19
  Powd., bbls, dmk. ... lb. .20 - .23
Caustic, low-chloride, 90% basis, flake, dmk., c.l., works ... lb. .10½ - —
  l.c.l., works ... 100 lbs. 9.50 - —
  liquid, dmk., c.l., works ... 100 lbs. 8.75 - —
  l.c.l., works ... 100 lbs. 9.50 - —
  tanks, works ... 100 lbs. 8.25 - —
  solid, works ... 100 lbs. 9.50 - —
  l.c.l., works ... 100 lbs. 10.50 - —
Chromate, cryst., bgs., c.l., works ... lb. .25 - .29
Chromate, tech., bgs. ... lb. .07½ - —
Chromate, tech., bgs., c.l., works ... lb. .11 - .11½
  l.c.l., works ... lb. .11½ - .13
  powd., dmk., bgs, c.l., works ... lb. .09½ - —
  l.c.l., works ... lb. .11½ - .13
  export, 1 to 10 tons, bgs, ex wharf ... lb. .10 - .10
Chloride, tech., cryst., 95%, bgs, bgs. ... lb. .06 Nom.
Potash citrate, USP, gran., bbls, powd., dmk., bbls., c.l., works ... lb. .30½ - .35½
  Cyanide, dmk., bbls, works ... lb. .20 - —
  Fluoride, bbls. ... lb. .55 - —
  Glycerophosphate, 70% solution, cbys. ... lb. .84 - .40
Guaiacol sulphonate, NF, dmk. ... lb. 2.80 - —
Hydroxide, USP, sticks, dmk, bbls ... lb. 1.80 - 1.85
Hypophosphite, cmk ... lb. .74 - .76
Iodide, dmk ... lb. 1.75 - 1.78
Manure salt, 22% K_2O, Carlsbad, N. M., unit-ton ... ton. .20 - —
  25% K_2O, same basis, unit-ton ... ton. .21 - —
Metabisulphite, gran., bbls ... lb. .19 - .21
  Muriate, dom., 60-62-63% K_2O, bulk, ex vessel ports ... unit-ton. .53½ - —
  granular, 60-62% K_2O, ex vessel U. S. ports, unit-ton. .53½ - —
  Domestic muriate of potash prices, basis f.o.b. Carlsbad, N. M. are 11.3c. per unit of K_2O less than ex vessel price, basis Trona, Cal.; 8c. per unit of K_2O less than ex vessel price at Pacific coast ports.
Nitrate (see Saltpeter).
Oxalate, neutral, pure, gran., bbls, dmk ... lb. .27 - .40
  tech, fine gran., bbls ... lb. .10 - .11
Perchlorate, kgs, works ... lb. .10 - .11
Permanganate, tech. ... works ... lb. 20¾ - .21¼
  USP, dmk, works ... lb. 23½ - .25
Persulphate, dmk., c.l. works ... lb. .16 - —
  l.c.l., same basis ... lb. .20 - —
Phosphate, tetrabasic, works, bbls ... lb. .13 - .15¼
Prussiate, red, kgs ... lb. .55 - .58
  yellow, bbls, works ... lb. .19 - —
Ricinoleate, flask, bgs., c.l. works ... lb. .18 - —
  l.c.l. ... 100 lbs. 16.25 - —
  solution, 25° Bé. ret. drums, c.l. works ... 100 lbs. 4.25 - —
  l.c.l., 5 or more, works ... 100 lbs. 5.00 - —
  l.c.l., 1 or more, works ... 100 lbs. 5.50 - —
  22° Bé, ret. dmk., c.l. ... 100 lbs. 4.75 - —
  l.c.l., 5 or more, works ... 100 lbs. 5.50 - —
  l.c.l., 1 or more, works ... 100 lbs. 6.00 - —
  40.5° Bé, ret. dmk ... 100 lbs. 6.75 - —
  l.c.l., 5 or more, works ... 100 lbs. 6.50 - —
  l.c.l., 1 or more, works ... 100 lbs. 7.00 - —
Sulphate, NF, cryst. ... lb. .30½ - .33¼
  powd, bbls ... lb. .14½ - .17
  tech, commercial, bulk, basis 90% to 95% K_2SO_4, min. 90% as 90% K_2O, min. 50% as K_2SO_4, 18.50% K_2O, ex vessel, ports ... ton. 38.00 - —
Potash-soda ferricyanide, works ... lb. .40 - .43
Potash titanium oxalate ... bbls ... lb. .45 - .50
Prickly ash bark, bls ... lb. .40 - .45
Berries, bgs. ... lb. .50 - .55
Prince's pine herb, bls ... lb. .50 - .60
Procaine hydrochloride, cns., 100-lb. lots, lb. 5.00 - —
Propane, industrial grade, tanks, Group 3, gal. .09¾ - —
Propyleneglycol, dmk, c.l., frt. alld. in E ... lb. .15½ - —
  l.c.l., same basis ... lb. .16½ - —
  tanks, same basis ... lb. .14½ - —
Psyllium seed (see Flaxseed).
Pulmotilin, bls. ... lb. .60 - .65
Pumice, grd., fine, bgs., ton lots ... lb. .03½ - —
  smaller lots ... lb. .06¾ - .04
  coarse, 0%, 1, 1½, 2, 3, bgs., ton lots, works ... ton. 20.00 - —
  smaller lots ... ton. 25.00 - —
  Chl., ton lots ... lb. .03½ - —
  Pumice in bbls. is 4c. per lb. higher.
Pumpkin seed, bgs. ... lb. .27 - .35
Purple lake (see Red).
Putty, comm'l, dmk ... 100 lbs. 5.10 - —
  linseed oil, raw, dmk ... 100 lbs. 5.00 - —
  refined, dmk ... 100 lbs. 5.50 - —
  standard, dmk ... 100 lbs. 4.20 - —
Pyrethrum, concentrated, deweaxed, 30% for aerosol bombs, dmk, liquid (20 to 1), basis 3 grams pyrethrins per 100 cc., works, gal. 0.25 - 0.30
  regular base, works, gal. 0.66 - —
  odorless base, dmk., works, gal. 0.75 - —
  (80 to 1), base 8 grams pyrethrins per 100 cc., bbls, works, gal. 10.00 - —
Pyrethrum, flowers, fine-grd, 0.9% pyrethrins, bbls ... lb. .32½ - —
  powder, 0.5% pyrethrins, bbls ... lb. .25 - —
  works ... lb. —
Pyridin, denaturing, ret. works, frt. equald., gal. 1.50 - 1.60
  ret., 2°, ret. dmk., same basis ... lb. .85 - .85½
Pyridoxin, 100-gram lots ... kilo. 750.00 - —
Pyrites, Spanish, c.i.f. Atl. ports, long ton. 8.00 - 10.00
Pyronate, dmk., -l., dlvd. E. of Miss ... gal. .70 - —
  l.c.l., works ... gal. .80 - —
  tanks, dlvd. E. of Miss ... gal. .60 - —
  Pyronate prices 1c. W. of Mis. 2c. per gal. higher.
Pyrocatechin (see Catechol).
Pyrophyllite, standard, 200 mesh, c.l., bulk, mines ... ton. 10.00 - 11.50
  325 mesh, same basis ... ton. 18.00 - 18.50
No. 3, 200 mesh, c.l., mines ... ton. 9.50 - —
  325 mesh, same basis ... ton. 11.50 - —
  Pyrophyllite in paper bags, $1.50 per ton extra.
Pyroxylin, scrap, opaque, amber, black, ca., works ... lb. .17 - —
  gray, ca., works ... lb. .17 - —
  mixed, mottled, ca., wks ... lb. .14 - —
  white, China, ivory, ca., wks ... lb. .17 - —
  dense, ca., works ... lb. .17 - —
  translucent, pastel, ca., works ... lb. .17 - —
  transparent, ca., works ... lb. .19 - —
  colors, ca., works ... lb. .17 - —
  shavings, amber, ca., works ... lb. .17 - —
  mixed colors, ca., works ... lb. .14 - —
  white, ca., works ... lb. .17 - —
Pitch, burgundy (see B), bbls., c.l., works ... 100 lbs. 20.00 - —
  Coaltar, 160° m.p., bbls., c.l., works ... ton. 24.00 - —
  l.c.l., works ... lb. .10½ - .10¾
  Cottonseed, dmk., works ... lb. .04 - —
  Hardwood, paper bgs., works ... lb. No prices
  Linseed, dmk ... lb. —
  Petroleum (see Asphaltum, Mexican, Texas).
  Pine, imp., 200 lbs ... 100 lbs. 6.50 - —
  ref., imp., 200 lbs ... 100 lbs. 6.00 - —
  Soybean, dmk, works ... lb. .10½ - .10¾
  Plaster of paris (see Gypsum).
Podophyllin, dmk ... lb. 13.25 - 13.50
Pokeroot, bls ... lb. .16 - .17
Polystyrene, plain colors, dmk, 30,000 lbs., frt. alld ... lb. .55 - —
  20,000 lbs., frt. alld ... lb. .54 - .56
  Water-clear polystyrene, 7c. per lb. less than plain colors.
Pomegranate, root bark, bgs ... lb. .75 - .70
Poppy flowers, bls ... lb. .60 - .70
  Seed, Argentine, bgs ... lb. .20 Nom.
  Danish, bgs ... lb. .20 Nom.
  Dutch ... lb. 23½ - .24
  Swedish, bgs ... lb. .22 Nom.
  Turkish, bgs ... lb. .21 - .21¼
Potash abietate ... lb. .09 - .34
  Acetate, USP, dmk ... lb. .32 - .34
  Bicarbonate, gran., dmk ... lb. .20 - .22
  powd., dmk ... lb. .22 - .24
  Bichromate, bgs., c.l. works ... lb. .10½ - —
  l.c.l. works ... lb. .11 - .11¼
  Potash bichromate in bbls., 4c. higher.
  Borate, gran., bbls, c.l., works ... ton. 200.00 - —
  ton lots, works ... ton. 218.50 - —
  less ton lots, works ... ton. 223.50 - —
Potash citrate, USP, gran., bbls, powd., dmk., 2c. per lb higher ... lb. .33½ - .35½
  Cyanide, dmk., bbls ... lb. .20 - —
  Fluoride, bbls ... lb. .55 - —
  Glycerophosphate, 70% solution, cbys ... lb. .84 - .40
Guaiacol sulphonate, NF, dmk ... lb. 2.80 - —
Hydroxide, USP, sticks, dmk, bbls ... lb. 1.80 - 1.85
Hypophosphite, cmk ... lb. .74 - .76
Iodide, dmk ... lb. 1.75 - 1.78
Manure salt, 22% K_2O, Carlsbad, N. M., unit-ton ... ton. .20 - —
  25% K_2O, same basis, unit-ton ... ton. .21 - —
Metabisulphite, gran., bbls ... lb. .19 - .21
  Muriate, dom., 60-62-63% K_2O, bulk, ex vessel ports ... unit-ton. .53½ - —
  granular, 60-62% K_2O, ex vessel U. S. ports, unit-ton. .53½ - —
  Domestic muriate of potash prices, basis f.o.b. Carlsbad, N. M. are 11.3c. per unit of K_2O less than ex vessel price, basis Trona, Cal.; 8c. per unit of K_2O less than ex vessel price at Pacific coast ports.
Nitrate (see Saltpeter).
Oxalate, neutral, pure, gran., bbls, dmk ... lb. .27 - .40
  tech, fine gran., bbls ... lb. .10 - .11
Perchlorate, kgs, works ... lb. .10 - .11
Permanganate, tech. ... works ... lb. 20¾ - .21¼
  USP, dmk, works ... lb. 23½ - .25
Persulphate, dmk., c.l. works ... lb. .16 - —
  l.c.l., same basis ... lb. .20 - —
Phosphate, tetrabasic, works, bbls ... lb. .13 - .15¼
Prussiate, red, kgs ... lb. .55 - .58
  yellow, bbls, works ... lb. .19 - —
Ricinoleate, flask, bgs., c.l. works ... lb. .18 - —
  l.c.l. ... 100 lbs. 16.25 - —
  solution, 25° Bé, ret. drums, c.l. works ... 100 lbs. 4.25 - —
  l.c.l., 5 or more, works ... 100 lbs. 5.00 - —
  l.c.l., 1 or more, works ... 100 lbs. 5.50 - —
  22° Bé, ret. dmk., c.l. ... 100 lbs. 4.75 - —
  l.c.l., 5 or more, works ... 100 lbs. 5.50 - —
  l.c.l., 1 or more, works ... 100 lbs. 6.00 - —
  40.5° Bé, ret. dmk ... 100 lbs. 6.75 - —
  l.c.l., 5 or more, works ... 100 lbs. 6.50 - —
  l.c.l., 1 or more, works ... 100 lbs. 7.00 - —
Sulphate, NF, cryst. ... lb. .30½ - .33¼
  powd, bbls ... lb. .14½ - .17
  tech, commercial, bulk, basis 90% to 95% as 90% K_2O, min. 90% as K_2SO_4, 18.50% K_2O, ex vessel, ports ... ton. 38.00 - —
Potash-soda ferricyanide, works ... lb. .40 - .43
Potash-titanium oxalate ... bbls ... lb. .45 - .50
Prickly ash bark, bls ... lb. .40 - .45
Berries, bgs. ... lb. .50 - .55
Prince's pine herb, bls ... lb. .50 - .60
Procaine hydrochloride, cns., 100-lb. lots, lb. 5.00 - —
Propane, industrial grade, tanks, Group 3, gal. .09¾ - —
Propyleneglycol, dmk, c.l., frt. alld. in E ... lb. .15½ - —
  l.c.l., same basis ... lb. .16½ - —
  tanks, same basis ... lb. .14½ - —
Psyllium seed (see Flaxseed).
Pulmotilin, bls ... lb. .60 - .65
Pumice, grd., fine, bgs., ton lots ... lb. .03½ - —
  smaller lots ... lb. .06¾ - .04
  coarse, 0%, 1, 1½, 2, 3, bgs., ton lots, works ... ton. 20.00 - —
  smaller lots ... ton. 25.00 - —
  Chl., ton lots ... lb. .03½ - —
  Pumice in bbls. is 4c. per lb. higher.
Pumpkin seed, bgs. ... lb. .27 - .35
Purple lake (see Red).
Putty, comm'l, dmk ... 100 lbs. 5.10 - —
  linseed oil, raw, dmk ... 100 lbs. 5.00 - —
  refined, dmk ... 100 lbs. 5.50 - —
  standard, dmk ... 100 lbs. 4.20 - —
Pyrethrum, concentrated, deweaxed, 30% for aerosol bombs, dmk, liquid (20 to 1), basis 3 grams pyrethrins per 100 cc., works, gal. 0.25 - 0.30
  regular base, works, gal. 0.66 - —
  odorless base, dmk., works, gal. 0.75 - —
  (80 to 1), base 8 grams pyrethrins per 100 cc., bbls, works, gal. 10.00 - —
Pyrethrum, flowers, fine-grd, 0.9% pyrethrins, bbls ... lb. .32½ - —
  powder, 0.5% pyrethrins, bbls ... lb. .25 - —
  works ... lb. —
Pyridin, denaturing, ret. works, frt. equald., gal. 1.50 - 1.60
  ret., 2°, ret. dmk., same basis ... lb. .85 - .85½
Pyridoxin, 100-gram lots ... kilo. 750.00 - —
Pyrites, Spanish, c.i.f. Atl. ports, long ton. 8.00 - 10.00
Pyronate, dmk., -l., dlvd. E. of Miss ... gal. .70 - —
  l.c.l., works ... gal. .80 - —
  tanks, dlvd. E. of Miss ... gal. .60 - —
  Pyronate prices 1c. W. of Mis. 2c. per gal. higher.
Pyrocatechin (see Catechol).
Pyrophyllite, standard, 200 mesh, c.l., bulk, mines ... ton. 10.00 - 11.50
  325 mesh, same basis ... ton. 18.00 - 18.50
No. 3, 200 mesh, c.l., mines ... ton. 9.50 - —
  325 mesh, same basis ... ton. 11.50 - —
  Pyrophyllite in paper bags, $1.50 per ton extra.
Pyroxylin, scrap, opaque, amber, black, ca., works ... lb. .17 - —
  gray, ca., works ... lb. .17 - —
  mixed, mottled, ca., wks ... lb. .14 - —
  white, China, ivory, ca., wks ... lb. .17 - —
  dense, ca., works ... lb. .17 - —
  translucent, pastel, ca., works ... lb. .17 - —
  transparent, ca., works ... lb. .19 - —
  colors, ca., works ... lb. .17 - —
  shavings, amber, ca., works ... lb. .17 - —
  mixed colors, ca., works ... lb. .14 - —
  white, ca., works ... lb. .17 - —

Q

Quassia chips, bls.....lb. .09 - .12
Quebracho extract, solid, 63% tannin, bgs., c.l., ex dock, in bond..lb. .07½- —
clarified, 64% tannin, bgs., c.l., same basis..lb. No prices
35% tannin, bbls., works, lb. No prices
tanks, works.....lb. No prices
ground, 70% tannin, bgs., c.l. lb. No prices
l.c.l. .....lb. No prices

Quebracho extract prices based on $20 freight and $1.00 insurance per long ton.

Queen of the meadow root, bgs. lb. .20 - .22
Quercitron crystals, bbls.....lb. .22 - —
Extract, No. 1, bbls.....lb. .18 - —
solid, bxs. .....lb. .23 - —
Quicksilver, flasks (76 lbs. net) flask.87.00 -89.00
Quince seed, bgs.....lb. 1.30 - 1.75
Quinidine, NF V, cryst., cns..oz. No stocks
powd., precip., cns.....oz. No stocks
Sulphate, USP, cns.....oz. No stocks
Quinine, NF, cns., 100 ozs..oz. No stocks
Acetate, cns., 100 ozs.....oz. No stocks
Arsenate, cns., 100 ozs.....oz. No stocks
Arsenite, cns., 100 ozs.....oz. No stocks
Bisulphate, USP, cns., 100 ozs. oz. No stocks
Dihydrobromide, bots., 50 ozs. oz. No stocks
Citrate, cns., 100 ozs.....oz. No stocks
Ethylcarbonate, USP, cns., 100 ozs..oz. No stocks
Ferrocyanide, cns., 100 ozs.oz. No stocks
Formate, cns., 100 ozs.....oz. No stocks
Glycerophosphate, cns., 100 ozs. oz. No stocks
Hydrochloride, USP, cns., 100 ozs..oz. .89½- —
Hydrochlorosulphate, cns., 100 ozs..oz. No stocks
Hydriodide, cns., 100 ozs..oz. No stocks
Hypophosphite, cns., 100 ozs.os. No stocks
Phosphate, NF, cns., 100 ozs.os. No stocks
Salicylate, NF, cns., 100 ozs.oz. No stocks
Sulphate, USP, cns., 100 ozs.os. .89½-
Sulphocarbolate, cns., 100 ozs. oz. No stocks
Tannate, USP X, cns., 100 ozs. oz. No stocks
Tartrate, cns., 100 ozs.....oz. No stocks
Valerate, NF IV, 100 ozs..oz. No stocks
Quinine-urea hydrochloride, USP, cns..oz. No stocks
Quinoline, dms., c.l., works...lb. .32 - .50

R

R salt, dry, bbls.....lb. .72 - —
paste, dms.....lb. .57 - —
Raspberries, dried, bls.....lb. 2.20 - 2.25
Red, alizarin lake, bbls., dlvd. N. of Tenn. and N. C., E. of Miss. R., including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis...lb. 1.10 - 1.90

Prices ½c. per lb. higher dlvd. Ala., Fla., Ga., La. (Shreveport, 1½c.), Miss., N. C., S. C., Tenn., Tex. (Dallas, Ft. Worth, 1½c.) (El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph, 1.6c. per lb. higher dlvd. Pacific Coast prices equaled with Chicago dlvd. Denver Pueblo, Salt Lake City, Wichita.

Cadmium lithopone, deep shade, bbls., frt. alld. E. of Rockies..lb. 1.05 - 1.90
light shade, bbls., same basis..lb. .90 - 1.15
maroon, bbls., same basis. lb. 1.15 - 1.25
medium shade, bbls., same basis..lb. 1.00 - 1.10
medium-light shade, bbls., same basis..lb. .95 - 1.05
Orange-red, bbls., same basis..lb. .95 - 1.00

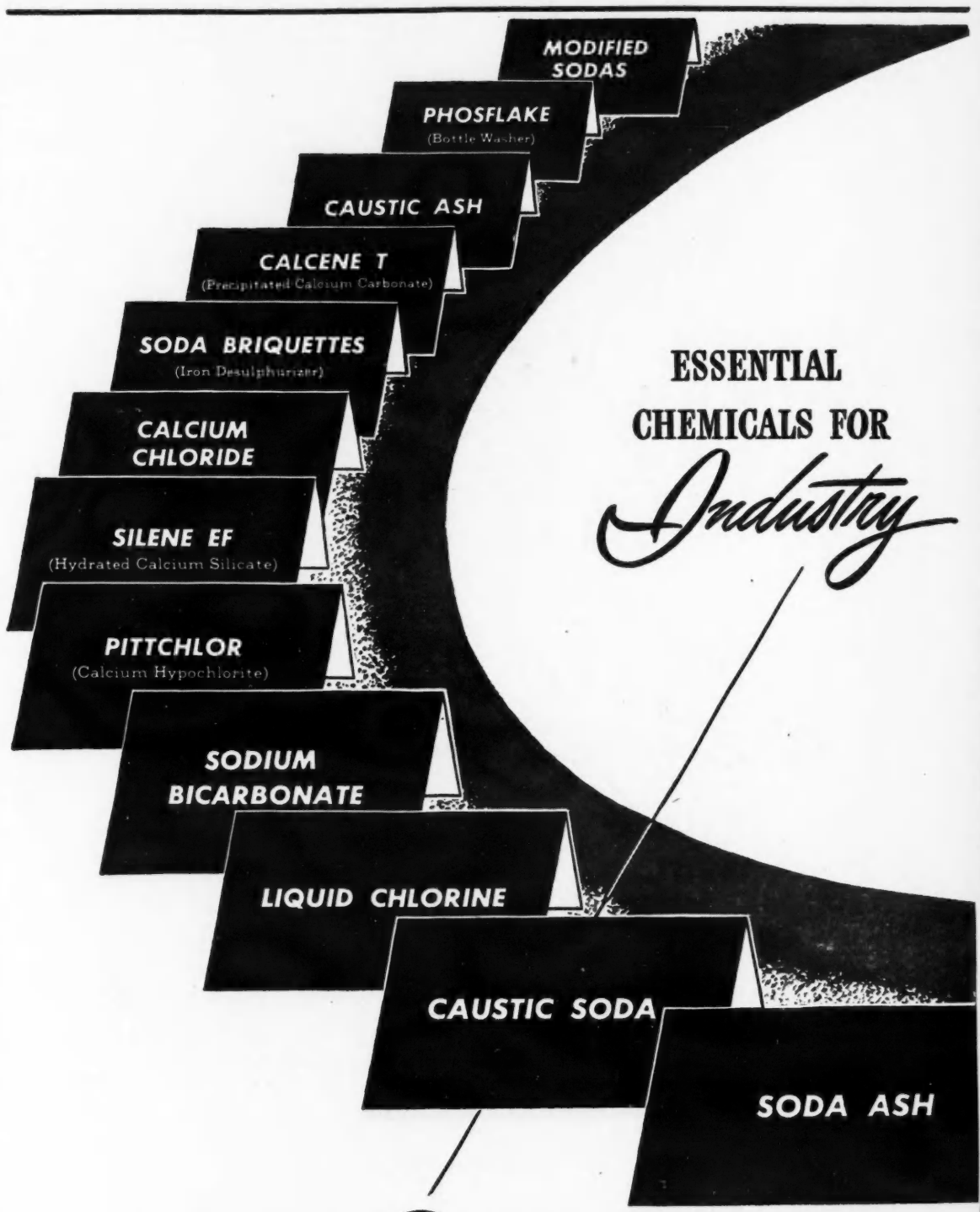
Red cadmium lithopone, all shades, in smaller pkgs. 5c. per lb. higher; all prices are 1c. per lb. higher ex whse., Los Angeles and San Francisco.

Carmine, No. 40, dms., bulk, works..lb. 5.50 - —
smaller lots, same basis..lb. 6.10 - —
Crocus martis (see Red, purple, oxide).
Dyes (see Dyes, coaltar).
Eosin toner, bbls., works.....lb. 1.35 - —
Firetoner, dom., bbls., works.lb. .95 - .98
Indian, dom., pure, bgs., Bethlehem, Easton, E. St. Louis, N. Y..lb. .09 - .09½
80-85%, bgs., same basis..lb. .07½- .07¾
imp., English, all shades..lb. .12 - —
Iron oxide, pure, bbls.....lb. .09½- .09¾
reduced, 85% copperas oxide, bbls., l.c.l., Bethlehem, Pa., Copley, O., Easton, Pa., and E. St. Louis..lb. .06¾- —
80% copperas oxide, bbls., same basis..lb. .083 - .094
Lacquer, maroon, bbls., works. lb. 1.25 - —
Lake C toner, alizarin, bbls., works..lb. 1.05 - —
Lithol toner, alizarin, lake, bbls., works..lb. .70 - —
Pink, bbls., works.....lb. .20 - .25
Rose lake, bbls., works.....lb. .25 - .35
Lithol-rubin toner, alizarin lake, bbls., works..lb. 1.30 - —
Maroon, alizarin lake, 25%, kgs., works..lb. .40 - —
Cadmium, bbls., works.....lb. 1.10 - —
deep, bbls., same basis..lb. 1.20 - —
Maroon, in smaller pkgs., 5c. per lb higher.
Mercury oxide, tech., bbls., 10,000 lbs., works..lb. 2.00 - —
smaller lots, works...lb. 2.02 - —
Metallic, bbls., works.....lb. .92 - —
Oxide (see Red, iron oxide).
Para toner, chlorinated, kgs.lb. .97 - —
concent., alizarin lake, kgs., works..lb. .80 - —
Persian (see Orange).
Phloxin toner (see Red, eosin toner).
Phosphotungstic, rhodamine, Y, kgs., works..lb. 4.15 - —
Purple lake, kgs.....lb. 1.60 - —
Scarlet ink toner, kgs., works. lb. .65 Nom.
Spanish oxide, grade 1, c.l., bbls..lb. .05½- .06
Toluidin toner, alizarin lake, kgs., works..lb. 1.25 - —
MNPT maroon toner, kgs., works..lb. 2.25 - —
Turkey, bbls., works.....lb. .14½- —
Tuscan, bbls., E. St. L.....lb. .11 - —
Venetian, 15%, bgs., works...lb. .02¾- —
20%, bgs., works.....lb. .03 - —
25%, bgs., works.....lb. .03¼- —
30%, bgs., works.....lb. .03¾- —
35%, bgs., works.....lb. .03¾- —
40%, bgs., works.....lb. .04 - —
Vermillion, Amer., bbls.....lb. .23¼- .40
Quicksilver, bbls.....lb. 2.50 - 2.65

Red precipitate, NF, powd., fib. dms..lb. 2.77 - 2.79
Red saunders wood, grd., bbls.lb. .55 - —
Resorcinol, tech., dms., works.lb. .68 - —
USP, cryst., dms., works....lb. 1.70 - —
Rhatany root, bgs.....lb. .13 - .14
Rhubarb, whole, cs.....lb. 1.35 - 1.40
powd., bbls. .....lb. 1.40 - 1.45
Riboflavin bots.....kilo.200.00 - —
Rice bran concentrate, dms., Cedartown, Ga., or Emeryville, Calif., seller's option. lb. .73 - —
Rochelle salt, gran., powd., bbls., 5,000 lbs., 1 ship't..lb. .34½- —
smaller lots.....lb. .35 - —
Rose flowers, pale, bls.....lb. .32 - .34
Rosemary flowers, bls.....lb. 1.55 - 1.65
Leaves, French, bls.....lb. .13 - .14
Portuguese, bls.....lb. .05½- .09
Spanish, bls.....lb. .12½- .13
Rosin, gum (see Naval Stores, Protective Coatings market).
Wood, B (resin), dms., c.l., works..100 lbs. 6.00 - —
FF, dms., c.l., works.100 lbs. 7.50 - —
G, H, I, dms., c.l., works.. 100 lbs. 8.80 - —
K, dms., c.l., works..100 lbs. 8.80 - —
M, dms., c.l., works..100 lbs. 8.85 - —
N, dms., c.l., works..100 lbs. 8.90 - —
WG, dms., c.l., works.100 lbs. 8.95 - —
WW, dms., c.l., works.100 lbs. 9.00 - —
X, dms., c.l., works..100 lbs. 9.10 - —
Rotenone, bbls., works.....lb.12.05 -14.50
extract, liq., dms., works..... per unit. 1 15 - —
powder (see Cube root).
Rottenstone, bgs., c.l., mines.. ton.25.50 - —
l.c.l., mines.....ton.37.50 - —
Rue, bls.....lb. .45 - .46

S

Sabadilla seed, powd., bbls....lb. .55 - .70
activated, ground with lime, bbls..lb. .55 - .60
Saccharin, insoluble and soluble, 1,000 lbs. and up..lb. 1.30 - 1.35
smaller lots .....lb. 1.40 - 1.60
Saffron, Mexican, bls.....lb. 1.00 - 1.05
Spanish, USP, tins.....lb.38.00 -39.00
Safrol, cns. .....lb. 1.10 - 1.15
Sage, Cyprus, good, bls.....lb. .22 - .28
futures .....lb. .19 - .19½
Dalmatian, bls.....lb. .34½- .35
Greek, bls.....lb. .29 - .29½
Palestine, bls.....lb. .16 - .16½
Spanish, bls .....lb. .15 - .15½
Syrian, bls. .....lb. .25 - .25½
Sago flour, bgs. .....lb. .10 - .12
Salicin, bots., ¼ lbs. .....lb. No stocks.
cns., 25 lbs. .....lb. No stocks.
Saligenin, dms., works.....lb.15.00 -20.00
Salol, gran., bbls., bgs.....lb. .90 - —
fib. dms. .....lb. .93 - .98
Powdered salol, 10c. higher.
Salt, rock, bgs., c.l.....ton.15.00 - —
l.c.l., bgs. .....ton.20.00 - —
vacuum, common, fine, bgs., c.l..ton.16.00 - —
l.c.l., ...ton.23.40 - —
Saltcake, dom., bulk, works.ton.20.00 -26.00
Chrome (see Chrome cake).
Saltpeter, dbl. ref., gran., bbls., 10 ton lots..100 lbs. 8.20 - —
smaller lots .....100 lbs. 8.55 - 9.00
powd., bbls., 10-20 ton lots.. 100 lbs. 9.20 - —
smaller lots .....100 lbs. 9.55 - 9.60
Sanguinarine nitrate, bots....oz. 5.75 - —
Santonin, cryst., powd., cns.kilo.170.00 -185.00
Saponin, No 1, cns.....lb. 1.75 - 1.80
No. 2, cns. .....lb. 1.40 - —
Sarsaparilla root, dom., bls...lb. .45 - .50
Honduras, bls.....lb. .55 - .56
Mexican, bls.....lb. .60 - .65
Sassafras bark, ord., bls.....lb. .45 - .50
select, bls. .....lb. .65 - .70
Savory, Spanish, bls.....lb. .21 - .21½
Saw palmetto berries, bgs....lb. .24 - .25
Scammony resin, lump, cns....lb. 1.80 - —
powd., cns. .....lb. 1.35 - —
Root, bgs. .....lb. .10 - .13½
Schaeffer's salt, bgs. .....lb. .60 - —
Seidlitz mixture, bbls., 5,000 lbs., 1 shipment..lb. .27½- —
smaller lots .....lb. .28¼- —
kegs, 5,000 lbs., 1 shipm't..lb. .28¾- —
smaller lots .....lb. .28¾- —
Selenium, pwd., cns., 10-lb. lots.. lb. 1.65 - —
cs., 1,000-lb. lots.....lb. 1.75 - —
Senega root, bls.....lb. 1.65 - 1.75
Senna leaf, Alex., half-leaf, bls. lb. .27 - .28
siftings, bgs.....lb. .24 - .25
Tinnevelly, No. 1, bls.....lb. .25 - .27
2, bls.....lb. .23 - .25
3, bls.....lb. .21 - .23
powd., bbls., bgs.....lb. .24 - .29
Pods, bls.....lb. .53 - .54
Serpentaria root, bls.....lb. No stocks
Shellac, bleached, bonedry, bbls., 1,000-lb. lots..lb. .71 - —
Boston .....lb. .73 - —
Chicago .....lb. .73½- —
Pacific coast.....lb. .74½- —
refined, bbls., 1,000-lb. lot. lb. .75½- —
Boston .....lb. .79½- —
Chicago .....lb. .80 - —
Pacific coast.....lb. .81 - —
Bonedry shellac sales of less than 1,000 lbs., at following additions to prices: (1) packed in bgs., ½c. per lb.; (2) bbls., 1c. more; (3) kgs., 2c. more.
Superfine, 100 bgs., Boston, N.Y. lb. .73 - .75
Chicago .....lb. .73½- .75
Pacific coast.....lb. .75 - .76



COLUMBIA CHEMICALS

PITTSBURGH PLATE GLASS COMPANY
COLUMBIA CHEMICAL DIVISION
FIFTH AVENUE at BELLEFIELD • PITTSBURGH 13, PA.

CHICAGO • BOSTON • ST. LOUIS • PITTSBURGH • NEW YORK • CINCINNATI • CLEVELAND
PHILADELPHIA • MINNEAPOLIS • CHARLOTTE • SAN FRANCISCO

Shellac, TN, 100 bgs., Boston, N. Y...lb. .57 - .68
Chicago ...lb. .57½- .60¼
Pacific coast...lb. .70 - .71

Shellac in c., 2c. higher. Shellac color 1 bg. or 1 c.c., 6c. additional; 1 to 9 bgs. or cs., 2c. more; 10 to 99 bgs., cs., 1c. more.

Silica, amorph., crf-grd., 325 mesh, bgs., c.l., Ill. works, ton.17.00 - —
l.c.l. works...ton.20.00 - —
600 mesh, bgs., c.l., works, ton.18.00 - —
l.c.l., works...ton.19.00 -20.00
wet-grd., 325 mesh, bgs., c.l., works..ton.18.00 - —
l.c.l., works...ton.21.00 - —
600 mesh, bgs., c.l., works, ton.20.00 - —
l.c.l., works...ton.22.00 -23.00
99%-99%, 325 mesh, bgs., c.l., works..ton.20.00 - —
l.c.l., works...ton.21.50 -22.00
99%, 325 mesh, bgs., c.l., works..ton.20.00 - —
l.c.l., works...ton.22.00 -23.00
hard-grds., 99½%, 325 mesh, bgs., c.l., works..ton.15.50 - —
l.c.l., works...ton.18.00 - —
140 mesh, bgs., c.l., works, ton.11.00 - —
l.c.l., works...ton.16.00 - —
Silicon tetrachloride, tech., dms., c.l., works..lb. .15½- —
l.c.l., works...lb. .16½- .17
Silver bullion...oz. .70½- —
Cyanide, cns., 100 ozs...oz. .75%- —
Nitrate, bots., cns., 2,500-oz. lots..oz. .46%- —
1,000-oz. lots...oz. .47 - —
500-oz. lots...oz. .47½- —
single ounces...oz. .47%- —
Neucleinate, USP, bots., dms., 1,000-oz. lots..oz. .300 - —
Proteinate, USP, bots., dms., 1,000-oz. lots..oz. .325 - —

Simaruba bark, bls...lb. .07 - .08
Skullcap, Eastern, bls...lb. .65 Nom.
Western, bls...lb. .20 - .25
Skunk cabbage root, bls...lb. .45 - .50
Slate flour, bgs., c.l., works..ton.11.00 -12.00
l.c.l., ex whse...ton.20.00 - —
Sloe berries, bgs...lb. .40 - .41
Smalt, black, cns...lb. .65 - .66
Blue, cns...lb. .97 - .99½
Snakeroot, Canada, bls...lb. .63 - .65
Soapbark, bls...lb. .27 - .28
crushed, bls., bbls...lb. .23 - .24
cut, imp., bbls...lb. .32 - .35
powd., bbls...lb. .30 - .31
Soda acetate, anhyd., dms., dlvd, lb. .08¼- .10
cryst., NF, bbls., kgs...lb. 14 - .16
tech., 60%, l.c.l., dlvd...lb. .05¼- .06
Alginate, refined, water-soluble, bbls., works..lb. .70 - —
semi-refined, bbls., works..lb. .42 - —
white, powd., dms...lb. 1.60 - 1.65
Alkylbenzene sulphate, dms., works..lb. .13 - —
Aluminate, for water treat., bgs., c.l., works..100 lbs. 7.50 - —
l.c.l., works...100 lbs. 8.40 - —
other uses, bgs., c.l., works..100 lbs. 7.00 - —
l.c.l. ...100 lbs. 7.50 - 8.00
Antimoniate, bbls., dlvd...lb. .16 - .16½
Arsenate, dealers, dms., c.l., works..lb. .12 - —
l.c.l., works...lb. .13¼- .13¾
Arsenite, gray, dealers, c.l., works..lb. .10¾- —
l.c.l., works...lb. .13¼- 13¾
Soda arsenite, gray ½c. higher in 2c. higher in Houston, Tex., and Palo Alto, Calif.
Ash, dense, 58%, bgs., c.l., 100 lbs. 1.28 - —
l.c.l., dlvd., zone 1...100 lbs. 2.05 - —
2...100 lbs. 2.73 - —
3...100 lbs. 3.13 - —
4...100 lbs. 3.73 -

Soda ash, dense, 58%, bbls., c.l., works, zone..100 lbs. 1.68 - —
l.c.l., zone 1...100 lbs. 2.06 - —
2...100 lbs. 2.15 - —
3...100 lbs. 2.53 - —
4...100 lbs. 4.13 - —
bulk, c.l., works...100 lbs. 1.06 - —
extra light, 58%, bgs., c.l...100 lbs. 1.30 - —
l.c.l., dlvd., zone 1...100 lbs. 2.05 - —
2...100 lbs. 2.80 - —
3...100 lbs. 3.15 - —
4...100 lbs. 3.75 - —
light, 58%, bgs., c.l...100 lbs. 1.20 - —
l.c.l., dlvd., Zone 1...100 lbs. 2.58 - —
2...100 lbs. 2.70 - —
3...100 lbs. 3.05 - —
4...100 lbs. 3.65 - —
bbls., c.l., works...100 lbs. 1.60 - —
l.c.l., dlvd., Zone 1..100 lbs. 2.95 - —
2...100 lbs. 3.10 - —
3...100 lbs. 3.45 - —
4...100 lbs. 4.05 - —
bulk, c.l...100 lbs. 1.00 - —

Prices f.o.b. stock points in zones indicated. Minimum quantity 500 lbs. For less than 500 lbs., prices are ex-warehouse.

Soda ash sales zones are: (1) All States E of Miss. R. and N. of south bound. of Ky and Va.; also Ala., La., and Miss., S. of 31°, Tex. E. of 100°, S. of 31° Fla.; also Mo., N. H., and Vt., in which there are special county zones; Davenport, Ia., and St. Louis; (2) Ark., E. of 98° Ga.; Iowa (except Davenport), Minn.; Mo. (except St. Louis), Neb. E. of 98°, N. C., S. C., Tenn. and Tex. N. of 31° and E. of 100° (except Wichita Falls); also Ala., La. and Miss. No. of 31°; (3) Ark. W. of 98°, Kans., Neb. W. of 98°, N. D., Okla., S. D., Tex., W. of 100° (including Wichita Falls excluding El Paso); (4) Ariz., Colo., Idaho, Mont., Nev., N. M., Utah, Wyo., and El Paso, Tex.

Soda benzoate, tech., bbls., 2 tons or more..lb. .39 - —
smaller lots...lb. .49 - .51
USP, dms., 2 tons or more..lb. .46 - —
smaller lots...lb. .47 - .50
Bicarbonate, USP, gran., bgs., c.l., works..100 lbs. 2.25 - —
l.c.l. ...100 lbs. 2.67½- 2.80
Bichromate, bgs., c.l., works.. lb. .08¼- —
l.c.l., works...lb. .09%- .09¾
Soda bichromate, in bbls., ¼c. higher.
Bifluoride, bbls., c.l., frt. alld. lb..lb. .11½- —
l.c.l., same basis...lb. .13 - .14
kgs., same basis...lb. .12½- .14
Bisulphite, powd., bbls., c.l., works..100 lbs. 3.00 - 3.10
l.c.l., works...100 lbs. 3.50 - 3.60
solut., 32°, bbls., c.l., works, 100 lbs. 1.30 - —
l.c.l., works...100 lbs. 1.55 - —
30°, bbls., c.l., works.100 lbs. 1.35 - —
l.c.l., works...100 lbs. 1.60 - —
35° bbls., c.l., works.100 lbs. 1.40 - —
l.c.l., works...100 lbs. 1.65 - —
40°, bbls., c.l., works.100 lbs. 1.55 - —
l.c.l., works...100 lbs. 1.80 - —
Bromide, USP, gran., bbls., 500 lbs., works..lb. .25 - —
dms., works ...lb. .25 - .28
Cacodylate, bots., dms...lb. 8.50 -12.00
Carbonate (see Soda ash, Soda monohydrate, Soda sal).
Caustic, flake, powd., 76%, dms., c.l., works..100 lbs. 2.90 - 3.00
l.c.l., zone 1, dlvd..100 lbs. 4.25 - —
2, dlvd...100 lbs. 4.40 - —
3, dlvd...100 lbs. 4.75 - —
4, dlvd...100 lbs. 5.35 - —
liquid, 50%, buyers' tanks, works, dry basis..100 lbs. 2.00 - —
sellers, tanks, works, dry basis..100 lbs. 2.10 - —
76%, seller's tanks, works, dry basis..100 lbs. 2.10 - —
solid, 76%, dms., c.l., works, 100 lbs. 2.50 - 2.75
l.c.l., zone 1, dlvd..100 lbs. 3.85 - —
2, dlvd...100 lbs. 4.00 - —
3, dlvd...100 lbs. 4.35 - —
4, dlvd...100 lbs. 4.95 - —

Prices f.o.b. stock points in zones indicated. Minimum quantity 500 lbs. For less than 500 lbs., prices are ex-warehouse.

Caustic soda zones are same as soda ash.

Chlorate, cryst., bgs., c.l., works..lb. .06¼- —
l.c.l., works...lb. .06½- —
powd., kgs., c.l., works...lb. .06½- —
l.c.l., works...lb. .07 - .08½
Chloride (see Salt).
Chromate, bgs., c.l., works, frt. equald..lb. .09½- —
l.c.l., works, frt. equald..lb. .09%- .10
Soda chromate in bbls., ¼c. higher.
Citrate, USP VIII, bbls...lb. .18½- —
dms...lb. .19½- .22½
USP XII, gran., bbls...lb. .34 - —
dms...lb. .35 - .39
powd., bbls...lb. .34½- —
dms...lb. .35½- .39½
Cyanide, 96-98%, dms...lb. .14½- .15
Diacetate, 83-85% acidity bbls., works, dlvd..lb. .09½- .10½
anhydrous, dms., works...lb. .11½- .13
Fluoride, white, 90%, bbls., c.l., works..lb. .07 - —
l.c.l., works...lb. .08 - —
95%, bbls., c.l., works...lb. .07½- —
l.c.l., works...lb. .08½- —
Soda fluoride prices at Los Angeles are f.a.s. works.
Formate, bgs., c.l., works..lb. .0685- —
l.c.l., works ...lb. .0680- —
Glutamate, monobasic, kgs..lb. 1.40 - 1.42
Glycerophosphate, N.F., cryst., bbls..lb. 1.90 - —
powder, bbls...lb. 1.95 - —
solution, 75%, cbys...lb. 1.10 - —
50%, cbys...lb. .85 - —
Hydrosulphite, dms., c.l., frt. alld..lb. .18½- .19
l.c.l., frt. alld...lb. .19 - .20
Hydroxide, USP, sticks, dms.lb. .34 - .35
Hypophosphite, NF, cns...lb. .67 - .70
Hyposulphite, cryst., bgs., c.l., works, frt. equald..100 lbs. 2.25 - —
l.c.l., same basis.100 lbs. 2.50 - —
pea, cryst., bgs., c.l., works, 100 lbs. 2.60 - —
Soda, hyposulphite, crystals, in bbls., 20c. higher; pea crystals, dms., 50c. higher.
USP, cryst., bbls. ...lb. .10 - .12
Iodide, dms., jars...lb. 2.72 - —
Mandelate, dms...lb. 3.25 - 3.35
Metaborate, gran., bgs., c.l., works..ton.90.50 - —
ton lots, works...ton.106.00 - —
less ton lots, works...ton.113.00 - —
Ammonia metaborate in bbls., $20 per ton higher.
Metanilate, bgs...lb. .48 - —
Metasilicate, anhyd., bbls., c.l., works...100 lbs. 3.40 - —
l.c.l., same basis..100 lbs. 4.00 - —
gran., bbls., c.l., works, frt. equald...100 lbs. 3.40 - —
l.c.l., dlvd...100 lbs. 4.40 - 4.55
Methylate, bots., works...lb. 1.00 - —
cns., works ...lb. .85 - .90
dms., works ...lb. .45 - .50
Molybdate, anhyd., kgs., works, lb. .47 - —
crystals, bgs., works...lb. .40 - —
Monohydrate, bgs., c.l..100 lbs. 2.00 - —
works ...100 lbs. 2.45 - —
Naphthionate, bbls. ...lb. .48 - —
Nitrate, dom., crude, 100-lb. bgs., c.l., works..ton.35.50 - —
bulk, c.l., works...ton.32.00 - —
refd., gran., bbls., 10 tons., 100 lbs. — - —
smaller lots...100 lbs. — - —
imp., 100-lb. bgs., c.l., Atl. Gulf, Pac. whse..ton.41.50 - —
bulk, same basis...ton.38.50 - —
Nitrite, 96-98%, bbls., c.l., works, frt. equald..lb. .06%- —
West coast, ports.100 lbs. 8.00 - 8.05
l.c.l., dlvd. ...100 lbs. 8.90 -11.00
Orthosilicate, anhyd., bbls., c.l., works, frt. equald..100 lbs. 4.00 - —
l.c.l., same basis..100 lbs. 4.45 - 4.60
flake, bbls., c.l., works.100 lbs. 3.10 - —
l.c.l., dlvd. ...100 lbs. 4.50 - 4.65
Oxalate, neut., bgs., works..lb. .10 - —
Pantothenate, dextrorotary, 100-gram bots..per gram. .10 - —
Pentachlorophenate, briquets, bgs., works, frt. equald..lb. .17 - .18
powd., bgs., c.l., works, frt. equald..lb. .16 - .16½
l.c.l., works, frt. equald.lb. .17 - —
kgs., l.c.l., works, frt. equald. lb. .19 - —
Perborate, NF, bbls., c.l., works, lb. .14%- —
l.c.l., works ...lb. .15%- —
Peroxide, dms., c.l., dlvd. E. of Miss..lb. .14 - —
smaller lots ...lb. .17 - —

The importance

OF USING NIAGARA CAUSTIC POTASH, CARBONATE OF POTASH, CAUSTIC SODA AND LIQUID CHLORINE

THESE BASIC electro-chemical products grow in importance as the intensified need for them increases in a wide range of industries. As the first company in America to produce Caustic Potash, Carbonate of Potash and Liquid Chlorine, and one of the first to produce Caustic Soda, Niagara has spent many years of painstaking research in improving their quality and adapting them to specialized needs. Niagara products maintain the highest standards of purity and uniformity, and Niagara's service in these products is unexcelled in thoroughness and efficiency to the full limit that the present production situation permits. For pioneering leadership in the electro-chemical field, look with confidence to Niagara. ▲▲▲ Niagara Alkali Company, 60 E. 42nd Street, New York 17, N. Y.

An Essential Part of America's Great Chemical Enterprise

NIAGARA ALKALI COMPANY

CAUSTIC POTASH • CAUSTIC SODA • LIQUID CHLORINE • NIAGATHAL
CARBONATE OF POTASH • PARADICHLOROBENZENE

Soda phosphate, dibasic, tech., anhyd., bgs., c.l., works. 100 lbs. 6.25 - —
l.c.l., works.....100 lbs. 6.75 - 7.00
cryst., bgs., c.l., works.. 100 lbs. 3.50 - —
l.c.l., works....100 lbs. 3.75 - 3.90
USP XII, dried, bbls., dms., works..lb. .150 - —
monobasic, anhydrous, bgs., works..100 lbs. 7.25 - 8.25
l.c.l., works.....100 lbs. 7.65 - 9.00
tribasic, anhydrous, bgs., c.l., works, frt. equald.100 lbs. 7.00 - —
l.c.l., same basis.100 lbs. 7.50 - 8.00
cryst., bgs., c.l., works.... 100 lbs. 3.50 - —
l.c.l., same basis.100 lbs. 3.90 - —
kgs., c.l., works...100 lbs. 4.20 - —
l.c.l., works....100 lbs. 4.40 - —
USP (see Sodium phosphate, dibasic).
Soda phosphate in bbls. 40c. higher.
Prussiate, yellow, bgs.....lb. .12 - —
bbls. .....lb. .13¼ - —
Pyrophosphate, acid, bgs., works, frt. equald..100 lbs.10.00 -11.25
ferric, dms., 10,000 lbs., works..lb. .22 - —
smaller lots, works.....lb. .23½ - —
tetrabasic, anhydrous, bgs., c.l., works, frt. equald. 100 lbs. 6.00 - —
Ricinoleate, tech., bbls.....lb. No stocks
Sal, bgs., c.l.....100 lbs. 1.55 - —
works, c.l. .....100 lbs. 1.10 - —
bbls., c.l. .....100 lbs. 1.40 - —
works, c.l. .....100 lbs. 1.20 - —
Salicylate, dms.....lb. .52 - .54
Sesquicarbonate, bgs., c.l., works..100 lbs. 1.50 - —
bbls., c.l., works.....100 lbs. 1.70 - —
l.c.l., zone 1, dlvd..100 lbs. 2.70 - —
2, dlvd.....100 lbs. 2.85 - —
3, dlvd.....100 lbs. 3.10 - —
4, dlvd.....100 lbs. 3.50 - —
Soda sesquicarbonate l.c.l. price zones are same as those for soda ash.
Sesquisilicate, bbls., c.l., works. 100 lbs. 3.90 - —
l.c.l., dlvd. .....100 lbs. 5.15 - 5.30
Silicate, 40°, turbid, dms., c.l., works..100 lbs. .95 - 1.15
l.c.l., works.....100 lbs. 1.20 - 1.30
tanks, works.....ton.15.00 - —
52°, turbid, dms., c.l., works, 100 lbs. 1.55 - —
l.c.l., works.....100 lbs. 1.80 - 2.00
tanks, works.....ton.27.00 - —
Silicofluoride, bbls., c.l., works. lb. .07½ - —
l.c.l., works.....lb. .08½ - —
Stannate, dms., works, frt. alld. lb. .32½ - .36½
Stearate, bbls., works.....lb. .19 - .24
Sulphate, NF, dried, powd., bbls..lb. .07 - .07¼
tech., anhyd., bgs., c.l., works. 100 lbs. 1.70 - —
l.c.l., works.....100 lbs. 1.95 - 2.20
cryst. (see Glauber's salt).
USP, cryst., gran., bbls.....lb. .07 - .10
Sulphide, cryst., bbls., c.l., works..100 lbs. 2.90 - —
l.c.l., dlvd.....100 lbs. 3.65 - 3.90
solid, bbls., c.l., works.100 lbs. 3.65 - —
l.c.l., dlvd.....100 lbs. 4.15 - 4.50
Sulphite, cryst., bgs., c.l., works..100 lbs. 2.10 - —
l.c.l., works.....100 lbs. 2.35 - —
bbls., c.l., works....100 lbs. 2.20 - —
l.c.l., works.....100 lbs. 2.55 - —
powd., bbls., c.l., works... 100 lbs. 5.25 - —
l.c.l., works.....100 lbs. 5.50 - 6.00
Sulphocarbolate, USP IX, gran., bbls., dms..lb. .28 - .33
powd., bbls.....lb. .30 - .35
Sulphocyanide, CP, dms.....lb. .45 - .60
Soda sulphohydrate, flake, 70-72%, dms., c.l..lb. .64½ - —
l.c.l. .....lb. .95 - —
liquid, 58%, dms., c.l., works, 100% basis..lb. .06 - —
l.c.l., same basis.....lb. .06 - —
58%, tanks, basis 100%, works..lb. .06¾ - —
l.c.l., works.....lb. .05 - —
Sulphoxylate, formaldehyde, dms., c.l., works, frt. alld..lb. .17½ - —
Sulphoricinoleate, bbls.....lb. .13 - —
Thiocyanate (see Soda, sulphocyanide).
Tripolyphosphate, bgs., works, frt. equald..lb. .07¼ - .08¼
Thiosulphate (see Soda hyposulphite).
Tungstate, tech., bgs.....lb. 1.35 - —
Soda-ammonia phosphate, bbls., works, frt. equald..lb. .23 - —
Soda - cinchophen, bots., dms., works..lb. 5.00 - 5.10
Soda-formaldehyde sulphoxalate, stand. cont., 125-250 lbs..lb. .19 - .23
Soda-sulphadiazin, USP, dms., works..lb.10.50 -10.60
Soda-sulphamerazin, dms., works. lb.10.50 -10.60
Soda-sulphapyridin, powd., bots., dms., works..lb. 5.00 - 5.30
Soda-sulphathiazole, USP, dms., works..lb. 3.00 - 3.30
Solvent naphtha, dms., wks..gal. .27 - —
tanks, E. of Omaha, frt. alld..gal. .23 - —
Minnequa, Colo.....gal. .26 - —
high-flash, coaltar, dms., works..gal. .30 - —
tanks, frt. alld. E. of Omaha to 2c. per gal.. gal. .25 - —
Sorbitol, comʼl, dms., c.l., works. lb. .23½ - —
l.c.l., works.....lb. .24 - .33
Protein, alpha, bgs., 40,000 lbs., works..lb. .28 - —
20,000 lbs., works.....lb. .29½ - —
smaller lots, works....lb. .29½ - .33
Sparteine sulphate, bots., cns.oz. 2.95 - 3.25
Spearmint leaves, bls.....lb. .45 - .49
Spikenard root, bls.....lb. .50 - .55
Spruce extract, liq., reg., tanks, works..lb. .01¾ - —
pwd., super, bgs., c.l., wks.lb. .05¼ - —
Squaw vine, bls.....lb. .53 - .55
Squill, red, fortified, powd., bbls., bxs..lb. 1.60 - —
White, bls.....lb. .10 - .13
powd., bbls., bxs.....lb. .10 - .13
St. Ignatius beans, bgs.....lb. No stocks
St. John's bread, edible, bls...lb. .10¾ - .11¼
Starch, corn, pearl, bgs., c.l.. 100 lbs. 4.07 - —
l.c.l. .....100 lbs. 4.22 - —
Chicago, c.l.....100 lbs. 3.62 - —
powd., bgs., c.l.....100 lbs. 4.18 - —
l.c.l. .....100 lbs. 4.33 - —
Chicago, c.l. .....100 lbs. 3.73 - —
Cornstarch prices above are for paper bags; cotton bags are 20c. higher.
Potato, bgs., c.l.....lb. .07¾ - —
l.c.l. .....lb. .08½ - —
Rice, bgs., c.l.....lb. No stocks
Sweetpotato, bgs.....lb. No stocks
Wheat, bgs.....lb. .06½ - .07¾
Staves acre seed, bgs.....lb. .60 - .61
Stearin, oleo (see Oleostearin).
Stillingia root, bls.....lb. .48 - .50
Stonecroot, bls. .....lb. .07¼ - .08
Storax, cs. .....lb. 1.00 - 1.10

Stramonium leaves, bgs.....lb. .20 - .25
Seed, bgs. .....lb. .30 - .31
Streptomycin, hospitals....gram. 4.80 - —
wholesalers .....gram. 5.84 - —
Strontium bromide, NF, cns., dms..lb. .23 - .25
Carbonate, 90%, bbls.....lb. .14 - .16
90%, bbls. .....lb. .22 - .32
Chloride, tech., bbls.....lb. .32 - .34
mesh 90%, bbls., works.ton.58.00 - —
Chromate, bbls., bgs., Phila.lb. .40 - .42
Iodide, jars, 25 lbs.....lb. 3.20 - —
Lactate, dms. .....lb. 1.30 - 1.35
Nitrate, bbls., c.l., works....lb. .07¼ - —
l.c.l., works.....lb 08½ - .09¾
Oxalate, bbls., works.....lb. .38 - .40
Salicylate, NF, dms.....lb. 1.10 - 1.15
Sulphate, nat., air-floated, 325 mesh 90%, bbls., works.ton.58.00 - —
Strontium-calcium sulphide, phosphorescent, dms., works..lb 2.50 - 2.85
Strophanthin, bots. .....oz.50.00 -60.00
Strophanthus seed, Kombe, bgs. lb 2.35 - 2.80
Strychnine, NF, powd., cns., 100 ozs..oz. 1.35 - —
Sulphate, USP, powd., cns., 100 ozs..oz. 1.00 -
Styrolyl acetate, bots.....lb. 2.50 - 3.10
Sucrose octa-acetate, denat., bbls., l.c.l. works..lb. .50 - —
tech., bbls., l.c.l., works..lb. .45 - —
Sugar coloring (see Caramel coloring).
Sugar of milk (see Milk sugar)
Sulphadiazine, USP, dms., works lb. 9.00 - 9.10
Sulphaguanidin, dms., works..lb 4.50 - 4.60
Sulphamerazin, dms., works...lb. 9.00 - 9.10
Sulphanilamide, USP, powd., bots., works..lb. 1.05 - 1.10
Sulphanilamide, 80-90 mesh, 10c higher
Sulphapyridin, powd., bots., tins, works..lb. 5.00 - 5.30
Sulphathiazole, USP, powd., dms., works..lb. 3.00 - 3.30
Sulphonethylmethane, kgs.....lb. 6.75 - 6.85

Sulphonmethane, kgs.....lb. 5.25 - 5.35
Sulphur, crude, c.l., bulk, mines, contract..long ton.16.00 - —
vessels, Gulf ports, contract..long ton.17.50 - —
export ..... long ton.20.00 - —
flour, comm'l, 99½%, bgs., c.l., works..100 lbs. 1.80 - —
l.c.l., works.....100 lbs. 2.15 - —
precipitated, USP, bbls., kgs.lb. .18 - .36
refined, flour, extra fine, bgs., c.l., works..100 lbs. 3.15 - —
l.c.l., works.....100 lbs. 3.50 - 3.90
heavy, bgs., c.l., works. 100 lbs. 2.85 - —
l.c.l., works.....100 lbs. 3.20 - 3.60
light, bgs., c.l., works.100 lbs. 2.95 - —
l.c.l., works.....100 lbs. 3.30 - 3.40
flowers, USP, bgs., c.l., works. 100 lbs. 3.30 - —
l.c.l., works.....100 lbs. 3.65 - —
Refined sulphur flowers in bbls., 35c. higher.
rock, bbls., c.l., works.. 100 lbs. 2.45 - —
l.c.l., works.....100 lbs. 2.80 - —
roll, bbls., c.l., works.100 lbs. 2.65 - —
l.c.l., works.....100 lbs. 3.00 - 3.40
rubbermakers', bgs., c.l., wks. 100 lbs. 2.15 - 2.60
Chloride, 25-gal. dms., c.l., works..lb. .03 - .03½
l.c.l., works.....lb .04 - .04½
10-gal. dms., c.l., works..lb .07 - .07½
l.c.l. .....lb .08 - .08¼
Dioxide, liquid, comʼl, cyls., c.l., works..lb. .085 - —
l.c.l. .....lb. .095 - —
multi-unit cars, works..lb. .06 - —
tanks, works.....lb. .044 - —
refrigeration, cyls., l.c.l., works..lb. — - —
Iodide, bots., jars.....lb. 3.90 - 4.11

Sumac extract, No. 1, bbls....lb. .10½ -
No. 2, bbls.....lb. .09 - .11
crystals, bbls.....lb. .40 - —
stainless, bbls.....lb. .11 - .12½
Superphosphate, pulverized, run-of-pile under 22% a.p.a.
Balte..unit-ton. .74 - —
Balte..unit-ton. .79 - —
Florida .....unit-ton. .84 - .89
others .....unit-ton. .87 - .92
Delivery points, Ariz., Calif., Colo., Ida., Kans., Nev., N. M., Ore., Utah, Wash., 25½c. per unit-ton plus frt. charges from Anaconda, Mont., in excess of $8.06 per ton; guaranteed 16, 19 or 20% a.p.a., 4c. per unit-ton higher.
triple, 48% or more a.p.a., bulk, producing point, Florida. unit-ton. .62 - —
South Carolina..unit-ton. .75 - —
Tennessee .....unit-ton. .80 - —
Other States and D.C., 62c. per unit ton plus frt. charge for 40% from E. Tampa, Fla.
Superphosphate, gran., 2c. per unit-ton higher than pulverized.
Sweet basil, bls.....lb. 1.10 - 1.15

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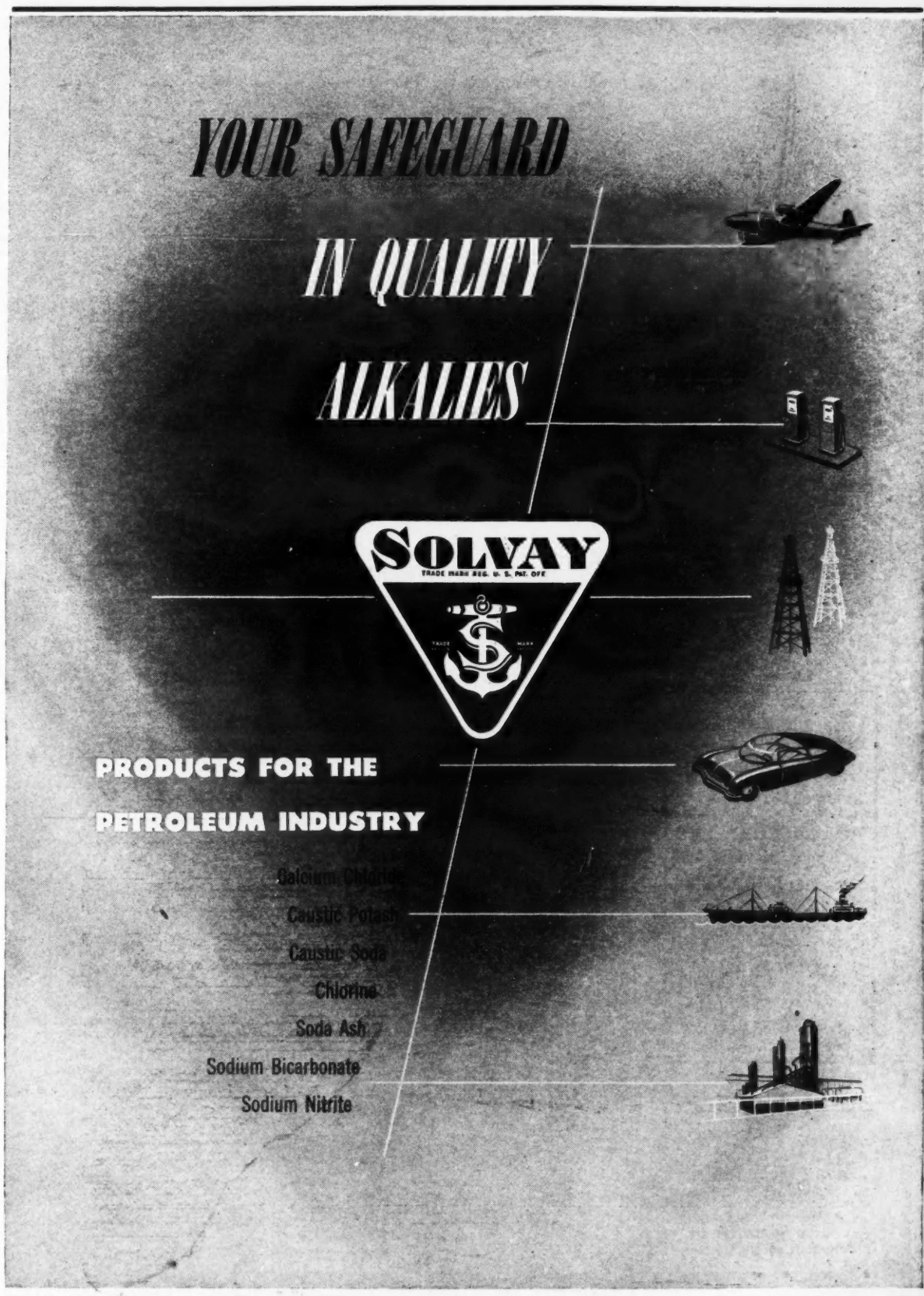
Talc, dom., ordinary, grd., bgs., c.l., works..ton.14.00 -24.00
l.c.l., works.....ton.16.00 -30.00
Calif., bgs., c.l., wks..ton.22.00 -30.00
Pennsylvania, bgs., c.l., works..ton 11.00 -13.00
l.c.l., works.....ton.12.00 -14.00



SOLVAY SALES CORPORATION *Alkalies and Chemical Products Manufactured by The Solvay Process Company* 40 Rector Street, New York 6, N. Y.

Talc, dom., ordinary, grd., Vermont, bgs., c.l., works. ton.14.00 - —
l.c.l., works.....ton.17.50 - —
fibrous, grd., off-color, New York, bgs., c.l., works. ton.15.00 - —
325 mesh, 92-94%, bgs., c.l., works...ton.17.50 - —
98 - 99.9%, bgs., c.l., works...ton. No prices.
99.85-99.95% bgs., c.l., works...ton. No prices.
imp., Canada, bgs., c.l.....ton.35.00 -44.50
Tallow, inedible, extra, loose..lb. .21¾- —
special, loose.....lb. .21½- —
sulphonated, 25%, dms.....lb. .09 - .10
50%, dms.....lb. .12 - .13
Tamarind, bbls.....lb. .12 - .12½
Tankage, animal, feed grade, 8-11% ammon., bulk, unit-ton. 7.50 - —
Chicago .....unit-ton. 7.50 - —
fert. grade, 9% ammon., 10% b.p.l., bulk..unit-ton. No stocks
10-11% ammon., 15% b.p.l., bulk, Chicago..unit-ton. No stocks
Tansy leaves, bls.....lb. .15 - .16
Tapioca flour, bgs.....lb. .08 - .13¼
Java, bgs.....lb. No stocks
Tar acid oil, 15-19%, dms., c.l., works...gal. .35 - —
l.c.l., works.....gal. .38 - —
25%, dms., c.l., works...gal. .41 - —
l.c.l., works.....gal. .44 - —
Tar, pine (see Pinetar).
Tara pods, c.l., ex dock U. S. ports..long ton. No prices
powd., c.l., same basis.long ton. No prices
Tarragon herb, bgs.....lb. .60 - .65
Leaves, bgs.....lb. 1.20 - 1.25
Tartar emetic, tech., gran. or powd., bbls., kgs..lb. .44 - —
dms.....lb. .44½- .47
Tartar emetic, USP, powd., bbls., dms., kgs..lb. .49 - .53
Terpin hydrate, comm., bbls., c.l., lb .24½- —
lb. .25 - .25½
USP, cryst., bbls., dms....lb. .70 - .75
powd., bbls., dms.....lb. .75 - .80
Terpineol, Alpha (see A).
com'l, dms., c.l., South.....lb. .13½- —
l.c.l., South.....lb. .14 - —
tanks, South.....lb. .13 - —
pure, dms.....lb. .56 - .59
extra, dms.....lb. .63 - .76
Terpinglycol ether, dms. (extra), c.l., works..lb. .19½- —
l.c.l., works.....lb. .20 - —
tanks, works.....lb. .19 - —
Terpinyl acetate, extra, cns., dms. lb. .68 - 1.01
prime, cns., dms.....lb. .62 - .83
Terra alba (see Gypsum).
Tetrachloroethane, dms., works, lb. .08 - .09½
Tetrachloroethylene, NF VI, 55-gal. dms., works..lb. .20 - 21½
smaller dms., works.....lb. .22½- .25½
tech. (see Perchloroethylene).
Tetraethyl orthosilicate, dms., works...lb. .25 - —
Tetralin, dms.....lb. .19 - —
Tetrapotassium phosphate (see Potash phosphate).
Tetrasodium pyrophosphate (see Soda pyrophosphate).
Thallium sulphate, 90%, bots., works..lb.17.50 - —
Theobromine, dms., 25-lb. lots.lb. 3.75 - —
smaller lots.....lb. 3.95 - 4.10
Thiamine hydrochloride, dms., 100 grams or more..kilo.160.00 - —
Thiocarbanilide, dms.....lb. .24 - —
Thiouracil, dms., works.....lb. 5.50 - 5.60
Thiourea, CP, dms.....lb. .55 - .56
Thorium nitrate, cs., works..lb. 2.00 - —
Thyme, French, bgs.....lb. .17 - .17½
futures, bgs.....lb. .15½- .16
Spanish, bls.....lb. .11½- .12
Thymol, cns.....lb. No prices
Iodide, dms.....lb. 4.25 - —
Timbo root (see Cube root).
Tin chloride, anhydrous.....lb. No stocks
crystals, bgs., bbls.....lb. No stocks
Metal.....lb. .70 - —
Bolivian.....lb. .62½- —
Straits.....lb. No stocks.
Oxide, bbls.....lb. .54 - .55
Tetrachloride, anhyd., dms., works..lb. .81 - .86
Titanium dioxide, chalk resistant, bgs., c.l., dlvd..lb. .15½- —
l.c.l., dlvd.....lb. .15⅝- —
nonchalking, bgs., c.l., dlvd. E..lb. .17½- —
l.c.l., dlvd.....lb. .17⅝- —
plain, bgs., c.l., dlvd.....lb. .15½- —
l.c.l., dlvd.....lb. .15⅝- —
Hydride, cns., works.....lb. 7.00 - 8.00
Pigment, barium base, bgs., c.l., dlvd..lb. .06¼- —
l.c.l., dlvd.....lb. .06⅝- —
Calcium base, bgs., c.l., dlvd. lb. .06 - —
l.c.l., dlvd.....lb. .06⅜- —
Calcium-rutile base, bgs., c.l., dlvd..lb. .06 - —
l.c.l., dlvd.....lb. .06⅜- —
Magnesium base, dlvd.....lb. No prices
l.c.l., dlvd.....lb. No prices
Titanium dioxide and pigment in bbls., ¼c higher; Pac. coast, c.l., dlvd., l.c.l., ex whse, ¼c. higher.
Tetrachloride, CP, 55-gal. dms., works..lb. .57 - —
smaller pkgs., works....lb. .65 - 1.22
technical, 55-gal. dms., works. lb. .32 - —
smaller pkgs., works.....lb. .40 - 1.00
Tolu balsam, cns.....lb. 3.75 3.80
Toluol (toluene), 2°, indust., ret. dms., works..gal. .28 - —
tanks, E. of Omaha, frt. alld. gal. .23 - —
West Minnequa, Colo...gal. .22 - —
Prices on toluol from petroleum, tanks, delivered (maximum freight allowance in parentheses), are:—Ark., 23c.; Chicago, 23c. (2¾c.); Del.-Md.-D. C., 23c. (2¾c.); Detroit, 23c. (1 5/10c.); La., 23c.; N. J., 23c. (2¼c.); N. J., 23c.; N. Y., 23c.; N. C., 25c. (5c.); Pa., 23c. (2¾c.); S. C., 26c. (6c.); Tenn., 23c. (3¾c.); Va., 24c. (3½c.); W. Va., 23c. (2¾c.).
1°, nitration, ret. dms., works. gal. .28 - —
tanks, E. of Omaha, frt. allo. gal. .23 - —
West Minnequa, Colo....gal. .22 - —
Toluene (see Toluol).
Toluidin base, distilled, kgs...lb. 1.60 - —
Tonga, 50% bark and vine, bbls. lb. .90 - .91
Tonka beans, Angostura, cks..lb. 1.70 - 1.80
Brazilian, Surinam, cs.....lb. .95 - .98
Totaquine, USP XII, 100-ounce lots..oz. .52 - —
Triacetin, dms., works.....lb. .26 - —
Triamylamine, dms., c.l., works lb. .99 - —
l.c.l.....lb. 1.01 - —
Tributyl citrate, dms.....lb. .41 - .49
smaller pkgs.....lb. .52 - —
Phosphate, dms., l.c.l., frt. alld. E. of Rockies..lb. .65½- —
Tributylamine, dms., c.l., works. lb. .75 - —
l.c.l., works.....lb. .81 - —
Trichlorobenzene, dms., c.l., frt. alld..lb. .10½- —
l.c.l., frt. alld.....lb. .11 - .14
tanks, frt. alld.....lb. .10 - —
Trichloroethane, dms., c.l., works. lb. .15 - —
l.c.l., works.....lb. .17 - —
Trichloroethylene, dms., c.l., Zone 1, works, frt. alld..lb. .08 - —
Zone 2, frt. alld.....lb. .08½- —
Zone 3, frt. alld.....lb. .09 - —
Zone 4, ex whse.....lb. .09 - —
Trichloroethylene, l.c.l. prices, ½c. higher. Zones are—(1) Conn., Del., Ill., Ind., Ia., Ky., Me., Md., Mass., Mich., Minn., Mo., N. J., N. Y., N. C., Ohio, Pa., R. I., Tenn., Vt., Va., W. Va., Wis., Omaha, Neb., K. C., Kan.; (2) Ala., Ark., Fla., Ga., Kan., La., Miss., Neb., N. D., Okla., S. C., S. D.; (3) Col., Mont. (E), N. M., Tex., Wyo.; (4) Ariz., Col., Idaho, Mont. (W), Nev., Ore., Utah, Wash.
Tricresyl phosphate, coaltar base, dms., c.l., dlvd..lb. .33 - —
l.c.l., dlvd.....lb. .33½- —
tanks, dlvd.....lb. .32 - —
petroleum base, dms., c.l., dlvd..lb. .37 - —
l.c.l., same basis.....lb. .37½- —
tanks, same basis.....lb. .36 - —
Triethanolamine, dms., c.l., frt. alld. in E..lb. .15½- —
l.c.l., same basis.....lb. .20½- —
tanks, same basis.....lb. .15½- —
Triethyl phosphate, cns.....lb. .40 - —
Triethylamine, dms., c.l. works, basis 100%..lb. .34 - —
l.c.l., works, basis 100%...lb. .36 - —
tanks, works, basis 100%....lb. .30 - —
Triethyleneglycol, dms., c.l., frt. alld. in E..lb. .13½- —
l.c.l., same basis.....lb. .19½- —
tanks, same basis.....lb. .17½- —
Trimethylamine, anhydrous, cyl., works, frt. alld. E. of Miss., 100% basis..lb. .35 - —
solution, dms., c.l., frt. alld. E. of Miss., 100% basis..lb. .35 - —
Triphenyl phosphate, bbls., c.l., frt. alld..lb. .26 - —
l.c.l., same basis.....lb. .27 - —
Tripoli, air-floated, bgs., c.l., works..ton.21.50 - —
double-grd., bgs., c.l., works.. ton.17.50 - —
once-grd., bgs., c.l., works.ton.16.00 - —
Trisodium phosphate (see Soda phosphate tribasic)
Tuba root (see Cube root).
Tungsten metal, powd., 99.9+%, dms., works..lb. 2.85 - —
Oxide, kgs., same basis.....lb. 4.75 - —
Turmeric root, Alleppey, bls...lb. .21 - .21½
Haitian, bls.....lb. .14½- .15
Jamaica, futures, bls.....lb. .15½- .16
Madras, bgs.....lb. .16 - .19½
Turpentine, gum (see Naval Stores, Protective Coatings market).
Wood, d.d., dms., extra, c.l., wks., South..gal. .81 - —
l.c.l., same basis.....gal. .82 - —
tanks, wks., South.....gal. .75 - —
steam-dist., l.c.l., dms., incl. East..gal. 1.36 - —
tanks, South.....gal. 1.15 - —
Sulphate, ret. dms., East...gal. 1.15 - —

U

Unicorn root, false (see Helonias root).
True (see Aletris root).
Uranium, oxide, black, bgs...lb. 2.55 - —
yellow, kgs.....lb. 1.65 - —
Urea, dom., 40% N., bgs., c.l., works or ship. pts..ton.78.00 - —
l.c.l., ship. pts.....ton.75.50 -80.50
fertilizer comp., 42% N., bulk, c.l., works or Atlantic or Gulf ports..ton.57.40 - —
fixed ammonia content, usual Atlantic and Gulf ports, NH_3..ton.116.80 - —
imports, pure, cs.....lb. .12 - —
Urea-ammonia liquor (A and B), free ammonia content, Belle, W. Va., freight equalized with Hopewell, Va..ton.59.00 - —
fixed ammonia content, Belle, W. Va., freight equalized with Hopewell, Va., NH_3, ton.112.80 - —

C and D prices for Urea-ammonia liquor are $1.20 per ton of nitrogen higher than the A and B respectively for the same destinations.

Urunday, extract, 63% tannin, ex dock, U. S. ports..lb. .05625- .05000
Uva ursi leaves, bls.....lb. .16 - .19

V

Valerian root, Belgian, NF, bls. lb. .56 - .77
Indian, bls.....lb. .43 - .58
Valonia, beards, bgs, ex dock.. ton.75.00 - —
Cups, bgs., ex dock.....ton.58.00 - —
Extract, powder, bgs., ex dock, lb. .11¼- .11½
Vanadium pentoxide, CP, bgs., cns., works..lb. 7.00 - —
tech., dms., works.....lb. 1.10 - —
Vanilla beans, Bourbon, tins..lb. 8.00 - 9.75
Mexican, cuts, tins.....lb. 9.50 -10.00
whole, tins.....lb.10.50 -11.00
Tahiti, tins.....lb. 4.00 - 4.75

in the Paint Industry

SOME **ISCO** BASIC MATERIALS THAT HELP TO MAKE GOOD PAINTS BETTER

Stearates • Carbonates

Sulphates • Casein

China Clay • Kaolin

Talc • Waxes

Silica • Gum Arabic

Gum Karaya

Carbon Tetrachloride

Orthodichlorobenze

For many years, ISCO raw materials have been used extensively in the paint industry because of their consistent high quality and dependability. ISCO basic material for paint manufacturing is made under rigid conditions of control to assure excellent results at costs which fit the manufacturers' balance sheets. Every ISCO basic material adds an element of quality to a finished product because that's what ISCO products are designed to do.

Take for example, ISCO Carrara — pure, soft decomposed Silica. It makes good paint better — better able to withstand severe exposure tests. Wherever paint must stand up under unusually severe conditions—building exteriors, freight cars, ships, industrial plants—this quality ISCO basic material gives paint products a decided advantage in performance and acceptance. Its oil absorption and retention powers add to the life of both interior and exterior paints. In addition, it has high penetrating properties. Finer grades are available for enamel undercoating and higher grades of paints and wood fillers.

You can count on ISCO materials to make your good products better in the competitive years ahead. Write for information on all ISCO materials today. See for yourself how ISCO can help you.

ISCO
1816 1947

117 LIBERTY STREET
NEW YORK 6, N. Y.

BOSTON • CLEVELAND
CHICAGO • GLOVERSVILLE
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Innis, Speiden & Co.

A NAME AS OLD AS THE AMERICAN CHEMICAL INDUSTRY

NACCONOL NR*

America's Leading Synthetic Detergent

Stable in Performance

NACCONOL NR functions efficiently in acid or alkaline, hot or cold solutions. Can be used in hard water or with metal salts, with oxidizing agents or reducing agents. Combines washing, wetting, emulsifying, dispersing and foaming in one *economical* synthetic detergent.

Stable in Price

We repeat: *"No increase in* NACCONOL NR *price."* Today NACCONOL NR costs only one-third as much as when introduced fifteen years ago. Our policy will always be to pass along lower prices resulting from greater production and better technology.

New plants are being constructed. More NACCONOL NR available later this year.

National Aniline is America's oldest and largest producer of synthetic organic detergents. National Aniline developed America's first stable synthetic organic detergent NACCONOL NR, today the most widely used. Our unmatched technical experience in this field and unequalled production facilities are at your service.

NATIONAL QUALITY N

National Aniline

DIVISION OF

ALLIED CHEMICAL & DYE CORPORATION

40 RECTOR STREET NEW YORK 6, N. Y.

BOSTON • PROVIDENCE • PHILADELPHIA CHICAGO • SAN FRANCISCO • CHARLOTTE
GREENSBORO • ATLANTA • NEW ORLEANS CHATTANOOGA • PORTLAND, ORE. • TORONTO

*Reg. U. S. Pat. Off.

Vanillin, ex eugenol, tins, 25 lbs or more..lb. 4.50 - —
smaller lots, tins.....lb. 4.55 - 4.65
ex guaiacol, tins, 25 lbs. or more. lb. 3.00 - —
smaller lots, tins.....lb. 3.05 - 3.15
ex lignin, tins, 25 lbs. or more..lb 2.85 - —
smaller lots, tins.....lb 2.40 - 2.60
Venice turpentine, artif., ens..lb 34 - 37
Verdigris, bbls., bgs.....lb 23 - 29
Vinyl acetate, cbys., works....lb 25 - —
dms., c.l., works.....lb. 15½ - —
l.c.l., works.....lb 16½ - —
tanks, works.....lb. 14 - —
Ether, bots., 75 c.c., less 20% and 20%..bot. 1.80 - —
60 c.c., same basis.....bot. 1.06 - —
25 c.c., same basis.....bot. 65 - —
Trichloride (see Trichloroethane).
Viosterol (irradiated ergosterol), bots., mil., units. .10 - .13
in corn oil (see Calciferol).
Vinylpyridine, ret. dms., works..lb. 1.60 -
Vitamin A (see Oils, codliver, halibut-liver).
B (see Thiamine hydrochloride).
B_2 (see Riboflavin).
B complex, natural (see Rice bran and Yeast).
Vitamin B_6 (see Pyridoxin).
C (see Acid, ascorbic).
D (see Oils, codliver, halibut-liver, viosterol).
D_2 (see Calciferol).
E (see Alphatocopherol).
G (see Riboflavin).
P-P (see Acid, nicotinic, and Nicotinamide).
Violet, methyl, toner (see M).
V.M.P. naphtha (see Petroleum naphtha.

W

Wahoo, root bark, bls.....lb. 2.00 Nom.
tree bark, bls.....lb. .45 - .50
Wattle bark, merchantable bags, f.a.s..ton. 60.00 -61.00
fair average, bgs., f.a.s... ton. 62.00 -63.00
extract, liquid, 35% tannin, bbls., works..lb. .06¾- .06¾
tanks, works.....lb. .05¼- .05¾
solid, E. Afr., 61% tannin, in bond, ex dock..lb. .06¾- .06¾
S. Afr., 62% tannin, ex dock, in bond..lb. .06¾- .07
Wattle extract prices based on $1.00 insurance per long ton. $20 freight
Wax, amorphous (see Wax, microcrystalline).
Bayberry, bgs.....lb. No stocks
Bees, bleached, USP, white, bricks, cakes, cs..lb. .70 - .71
slabs, bgs.....lb. .67 - .68
crude, African, bgs.....lb. .58 - .59
Western hemisphere, bgs.lb. .61 - .62
refined, yellow, bricks, bgs.lb. .64 - .65
slabs, cs.....lb. .63 - .64
Candelilla, crude, bgs.....lb. .76 - .77
refined, bgs.....lb. .80 - .82
Powdered, candelilla, 20 mesh, 5c. per lb. extra, 80 mesh, 5½c.; 100-200 mesh, 6c.
Carnauba, chalky, No. 3, bgs., ton lots..lb. 1.40 - 1.42
North Country, No. 2, bgs., ton lots..lb. 1.45 - 1.47
No. 3, bgs., ton lots.....lb. 1.40 - 1.42
refined, bgs., ton lots.....lb. 1.47 - 1.50
Wax, carnauba, yellow, No. 1, bgs., ton lots. lb. 1.78 - 1.80
No. 2, bgs., ton lots.....lb. 1.76 - 1.78
Powdered carnauba prices, same differentials as powdered candelilla.
Ceresin, dom., 132°-136° m.p., bgs..lb. .16 - .16½
138°-140° m.p., bgs.....lb .20½- 21
158°-162° m.p., bgs.....lb .20½- 21
Japan, bgs.....lb. .43 - .50
Microcrystalline, 170°-175° m.p., A.S.T.M., amber, ctns., 30 tons yearly contract, group 3, works..lb. .16 - —
smaller lots, same basis. lb. .16 - .17½
black, ctns., 30 tons, same basis..lb. .14½- —
smaller lots, same basis..lb. .14½- .15½
white, ctns., 30 tons, same basis..lb. .27 - —
smaller lots, same basis. lb .27 - 29
190°-195° m.p., A.S.T.M., amber, ctns., 30 tons, same basis..lb. .15 - —
smaller lots, same basis. lb. .16 - .19
190°-195° m.p., ASTM, black, ctns., 30 tons, same basis. lb. .16½- —
smaller ctns., same basis. lb. .16½- .17½
white, ctns., 30 tons, same basis..lb. .31 - —
smaller lots, same basis. lb. 31 - 32
Montan, crude, bgs.....lb. .52 - .55
Wax, ouricury, crude, bgs., ton lots lb. .75 - .78
refined, bgs., ton lots.....lb. .83 - .85
Ozokerite, dom., 180-190 F., c.l. lb. .36 - —
182-184 F., bgs., c.l.....lb. .31 - —
182-183 F., bgs., c.l.....lb. .27 - —
Spermaceti, blocks, cs.....lb. .45 - .50
cakes, cs. .....lb. .46 - .51
White lead (see Lead, white).
White precipitate, powd., dms., 50 lbs. or more..lb. 2.50 -
White pine bark, rossed, bls..lb. .21 - .25
Whiting, limestone, dry-grd., 325 mesh, bgs., 40 tons, works, St. Louis..ton. 10.50 - —
smaller lots, works, St. Louis..ton. 12.50 - —
wet-grd., air-floated, 325 mesh, 99½%, bgs., c.l.....ton. 14.50 -27.50
200 mesh, 99½%, bgs., c.l. ton. No prices
80%, bgs., c.l.....ton. No prices
water-floated, extra, gilders, bgs., c.l..ton. 14.50 -23.00
gilders, bgs., c.l.....ton. No prices
putty grade, bgs., c.l..ton. 12.00 - —
surface treated, bgs., c.l., Ohio, works..ton. 27.50 - —
Paris white, bgs., c.l.....ton. 35.00 -41.00
l.c.l. .....ton. 35.00 -39.00
precipitated, bgs., c.l.....ton. 14.00 -15.00
l.c.l. .....ton. 16.00 -25.00
Wild cherry bark, thick, bls..lb. .06 - .07
thin, natural, bgs.....lb. .18 - .20
rossed, green, bls.....lb. .24 - .26
Wild indigo root, bls.....lb. .38 - .40
Witch hazel leaves, bls.....lb. .28 - .30
Witherite (see Barium carbonate, natural).
Woodflour, 60 mesh, bulk, c.l., N. Tonawanda, N. Y..ton. No prices
80 mesh, same basis.....ton. No prices
80 mesh, same basis.....ton. No prices
100 mesh, same basis.....ton. No prices
Woodflour, in bags, 25c. each extra, returnable.
Wormseed, American, bgs.....lb. .20 - .27
Levant, bgs.....lb. 4.25 - 4.50
Wormwood, bls. .....lb. .50 - .60

X

Xanthorrhiza, bls. .....lb. .28 - .30
Xylidin, mixed, dms.....lb. .38 - —
Xylene (see Xylol).
Xylol (xylene), indust., ret. dms., works..gal. .26 - —
tanks, E. of Omaha, frt. alld. gal. .23 - —
West Minnequa, Colo....gal. .23 - —
Prices on xylol from petroleum, tanks, delivered (maximum freight allowance in parentheses), are:—Ark., 23c.; Del.-Md.-D. C., 23c. (2¾c.); Detroit, 23c. (1 5/10c.); La., 23c.; N. E., 23c. (2¼c.); N. J., 22c.; N. Y., 23c.; N. C., 25c. (5c.); Pa., 23c. (2¾c); S. C., 25c. (6c.); Tenn., 23c. (3¾c.); Va., 24c. (3½c.); W. Va., 23c. (2¾c.); the Chicago price is 20c. f.o.b. terminal.
10°, ret. dms., works.....gal. .30 - —
tanks, E. of Omaha, frt. alld. gal. .25 - —
5°, ret. dms., works.....gal. .31 - —
tanks, E. of Omaha, frt. alld. gal. .32 - —
3°, ret. dms., works.....gal. .42 - —
tanks, E. of Omaha, frt. alld. gal. .37 - —

Y

Yara yara, cryst., bots., cns..lb. 1.62 - 1.75
Yeast, brewer's dry, 50 B units, dms..lb. .35 - —
60 B units, dms.....lb. .45 - —
200 B units, dms.....lb. .50 - —
300 B units, dms.....lb. .60 - —
Yellow, barium chromate, CP, bgs., l.c.l., divd. N. of Tenn. and N. C., E. of Miss. R., including Davenport, Minneapolis, Rock Island, St. Louis, St. Paul..lb. .32 - —
Barium chromate yellow price differentials in other States and city zones are those for chrome yellow below.
Benzidin, bbls., divd.....lb. 1.60 - —
Cadmium, lithopone, all shades, bbls., frt. alld. E. of Rockies..lb. .55 - .60
Los Angeles and San Francisco, ex whse., 1c. per lb. higher.
Chrome, CP, bbls., divd. N. Tenn. and N. C., E. of Miss. R., includ. Davenport, Minneapolis, Rock Island, St. Louis, St. Paul, contracts.. lb. .24 - —
Chrome, CP, bbls., divd. Ala., Fla., Ga., La. (Shreveport), 1½c. higher; Miss., N. C., S. C., Tenn., Dallas, Tex., 1¾c. higher; Ft. Worth, Tex., 1½c. higher; El Paso, Tex., 2c. higher; Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph, 1.6c. higher divd. Pac. Coast; for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.
Dutch, pink, bbls.....lb. .09 - .11
Hansa, bbls., same basis as chrome..lb. 1.42 - —
primrose, bbls., same basis.lb. 1.90 - —
Bethlehem, Easton, Pa.. lb. .04½- —
l.c.l., same basis.....lb. .06 - —
synthetic, bbls., c.l., works. lb. .07¼- —
l.c.l., works.....lb. .07½- —
Mercury oxide, bbls., 1,000 lbs. lb. 2.42 - —
smaller lots.....lb. 2.45 - —
Ocher, American, golden, bbls., works..lb. .04½- .06½
Iron oxide, nat., bbls., c.l., yellow, bgs., works.....lb. .02¾- .03¾
French type, bgs., c.l.....lb. .03¾- —
l.c.l. .....lb. .04 - —
Persian orange (see O).
Zinc, bbls., same basis as chrome..lb. .17½- —
Navy spec. type bbls., contract..lb. .19 - —
Yellow dock root, bls.....lb. .35 - .36
Yellow xanthorrhiza (see Xanthorrhiza).
Yerba santa leaves, bls.....lb. .32 - .35
Yohimbine hydrochloride, vis..oz. 3.25 - 4.00

Z

Zein, bgs., 1,000 lbs., works...lb. .35 - —
smaller lots, bgs.....lb. .36 - —
Zinc acetate, tech., bbls., divd.lb. .20 - —
USP, bbls.....lb. .26 - .27
bgs. .....lb. .27 - .29
Arsenite, bgs., c.l., frt. alld. E. of Rockies..lb. .11¾- .12¼
l.c.l., same basis.....lb. .12¼- .12½

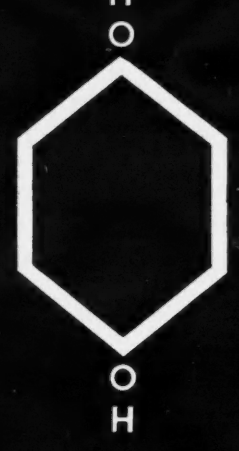
TEC-QUINOL

(Eastman Technical Hydroquinone)

STABILIZER IN:

Aldehydes
Acrylates
Acrylonitrile
Vinyls
Other Resin Monomers

It has also been suggested for stabilizing a wide variety of organic and inorganic oxidizable materials.



MP: 169-171°C
Assay: 99.0%

TYPICAL REACTIONS

TEC-QUINOL +

Carboxylic acids	→	1, 4-Acyloxybenzenes
Carboxylic acids	$\xrightarrow{AlCl_3}$	2,5-Dihydroxy phenones
Amines	→	N-substituted p-Aminophenols N,N'-substituted p-Phenylenediamines
Formaldehyde	→	Heat-convertible resins
Benzaldehyde	→	Tetrahydroxy triphenyl methane
Olefins	→	2,5-Dialkyl hydroquinones
Phthalic anhydride	→	Quinizarin

SAMPLES: You can obtain samples of TEC-QUINOL for research and development purposes by writing to the address below.

TENNESSEE EASTMAN CORPORATION
(Subsidiary of Eastman Kodak Company)
KINGSPORT, TENNESSEE

Zinc borate, bgs., c.l.	lb.	.12 - —
Carbonate, tech., rubbermakers' grade, bbls., works	lb.	.09¾- .10¼
USP, precip., powd., bbls.	lb.	.22 - —
dms.	lb.	.40 - —
kgs.	lb.	.27 - —
Chloride, tech., fused, dms., c.l., works	100 lbs.	5.00 - —
l.c.l., works	100 lbs.	5.25 - —
gran., dms., c.l., works	100 lbs.	5.75 - —
l.c.l., works	100 lbs.	6.25 - —
solution, 50%, dms., c.l., works	lb.	.0615- —
l.c.l., works	lb.	.04½- .06½
tanks, works	lb.	.0250- —
USP, dms.	lb.	.30 - .31
jars	lb.	.34 - .36
Chromate (see Yellow, zinc).		
Cyanide, kgs., works	lb.	.34 - .35
Dust, bbls., c.l., dlvd.	lb.	.1250- .1300
l.c.l.	lb.	.12½- .13
Fluoride, bbls., works	lb.	.18 - .19
Hydrosulphite, dms., works	lb.	.16 - —
Iodide, NF jars	lb.	4.65 - —
Laurate, bbls.	lb.	.32 - .38
Metal (quotations in Protective Coatings market).		
Naphthenates, 8% Zn, liquid, dms.	lb.	.18¾- —
10% Zn, liquid, dms.	lb.	.22½- —
14% Zn, solid, dms.	lb.	.31¾- —

Zinc oxide, pigment, dom., acicular, bgs., c.l., dlvd.	lb.	.09½- —
l.c.l., works	lb.	.09¾- —
American process, com'l, lead-free, bgs., c.l., dlvd.	lb.	.09½- —
l.c.l., works	lb.	.09¾- —
leaded, 5%, bgs., c.l., dlvd.	lb.	.09½- —
l.c.l., works	lb.	.09¾- —
35% or more, bgs., c.l., dlvd.	lb.	.11 - —
l.c.l., works	lb.	.11¼- —
50%, bgs., c.l., dlvd.	lb.	.11¾- —
l.c.l., works	lb.	.11¾- —
French process, com'l, lead-free, bgs., c.l., dlvd.	lb.	.11¾- —
l.c.l., works	lb.	.12 - —
green seal, bgs., c.l., dlvd.	lb.	.11¼- —
l.c.l., works	lb.	.11½- —
white seal, bgs., c.l., dlvd.	lb.	.11¾- —
l.c.l., works	lb.	.12 - —
red seal, bgs., c.l., dlvd.	lb.	.10¾- —
l.c.l., works	lb.	.11 - —
USP, ctns., c.l., dlvd.	lb.	.12¾- —
l.c.l., works	lb.	.13 - —
Zinc oxide Pac. Coast prices bbls. prices ½c. higher than bgs.		
Resinate, fused, 1% Zn, lump, 9% Zn, powd., dms.	lb.	.18½- —
Silicofluoride, bbls.	lb.	.15 - .16
Stearate, tech., ctns., 2,000 lbs. to c.l.	lb.	.48 - .49
smaller lots, same basis.	lb.	.50 - —
USP (same prices as tech.).		

Zinc sulphate, cryst., 22% Zn, bgs., c.l., works, frt. alld.	100 lbs.	4.15 - —
l.c.l., same basis.	100 lbs.	4.90 - —
flake, 25½% Zn., bgs., c.l., same basis.	100 lbs.	4.80 - —
l.c.l., same basis.	100 lbs.	5.55 - —
powd., 36% Zn., bgs., c.l., same basis.	100 lbs.	6.75 - —
l.c.l., same basis.	100 lbs.	7.50 - —
Zinc sulphate in bbls., 40c. higher.		
Sulphide, pure, bgs., c.l., dlvd.	lb.	.10 - —
l.c.l., works	lb.	.10¼- —
Barium pigment, works, bgs., c.l., dlvd.	lb.	.07 - —
l.c.l., works	lb.	.07¼- —
Calcium pigment, works, bgs., c.l., dlvd.	lb.	.07 - —
l.c.l., works	lb.	.07¼- —
Fluorescent pigment, works, frt. alld.	lb.	1.00 - 3.00
Magnesium pigment, bgs., c.l., dlvd.	lb.	.07 - —
l.c.l., dlvd.	lb.	.07¼- —
Zinc sulphide and pigment, prices ½c. higher; bbl. prices ¼c. higher than bgs.	Pac. coast	
Sulphoxylate formaldehyde, bbls., dms.	lb.	.26 - .30
Sulphoxylate, formaldehyde, basic, dms., works, frt. alld.	lb.	.17 - —
normal, dms., works, frt. alld.	lb.	.35 - —
Taliate, 8% Zn, dms.	lb.	.09¾- —
Yellow (see Yellow, zinc).		

Zinc-ammonia chloride, dms., c.l., works	100 lbs.	5.75 - —
l.c.l., works	100 lbs.	6.75 - —
Zinc - cadmium sulphide, fluorescent, dms., works, frt. alld.	lb.	2.00 - 2.50
Zinc-iron oxide pigment, bgs., c.l., dlvd.	lb.	.07¾- —
l.c.l., dlvd. E. of Rockies.	lb.	.08¼- —
Pac. est.	lb.	.08¼- —
ex whse., Pac. est.	lb.	.09¾- —
Zirconium acetate, solution, bbls., works	lb.	.28½- —
Hydride, dms., works	lb.	7.00 - 8.00
Nitrate, bgs., works	lb.	3.00 - 4.00
Oxide, 99%, grd., bbls., c.l., works	lb.	.22½- —
l.c.l.	lb.	.23¾- —
white, 99¼%-99%, grd., kgs., works	lb.	.30 - —
milled, electric, fused, 2,000-2,999 lbs., works	lb.	.40 - —
500 lbs. and less, same basis	lb.	.46½- .48
Oxychloride, cryst., bbls., tons, works	lb.	.23¼- —
Sulphate, basic, cake, bbls., c.l., works	lb.	.12 - —
l.c.l., works	lb.	.13½- .20
smaller lots, works	lb.	.20 - .21½

Trade Briefs

Bernard Color & Chemical Corporation has leased office space at 111 Broadway, New York.

International Nickel Company, New York, has appointed O. B. J. Fraser assistant manager of the development and research division.

Glidden Company, paint manufacturer, Cleveland, has named Paul D. Hursh manager of the Elmhurst plant of Durkee Famous Foods division.

P. J. Urquhart, vice-president of Aluminum Company of America, Pittsburgh, has retired. Mr. Urquhart was with the company forty-five years.

A. W. Steudel, president of the Sherwin-Williams Company, paint manufacturer, Cleveland, has been elected president of the 1947 Mid-America Exposition.

Synthetic Resins

The customary monthly listing of prices for synthetic resins and other branded paint materials was printed in the Feb. 3 issue of OPD.

Professional Services

Analysis—Testing—Patents Formulations—Trademarks

(For further details see listings in OPD Green Book.)

Jerome Alexander
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Arlinco Research Laboratory, Inc.
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Assn. of Consulting Chemists & Chemical Engineers, Inc.
50 East 41st St., New York 17, N. Y.

Biological Laboratories
16 Clinton St., Brooklyn 2, N. Y.

Johan Bjorksten, Ph.D.
185 N. Wabash Ave., Chicago 1, Ill.

Bureau of Chemistry
2 Broadway, New York 4, N. Y.

Colburn Laboratories, Inc.
431 S. Dearborn St., Chicago 5, Ill.

Di Cyan & Brown
12 East 41st St., New York 17, N. Y.

The Edwal Laboratories, Inc.
732 Federal St., Chicago 5, Ill.

Dr. J. Ehrlich
153 S. Doheny Dr., Beverly Hills, Calif.

Ellis-Foster Company
4 Cherry St., Montclair, N. J.

Ralph L. Evans Associates
250 East 43rd St., New York 17, N. Y.

Evans Research & Development Corp.
250 East 43rd St., New York 17, N. Y.

Food Research Laboratories, Inc.
48-14 33rd St., Long Island City 1, N.Y.

E. M. Laning Company
433 Stuyvesant Ave., Irvington 11, N.J.

LaWall & Harrisson
1921 Walnut St., Philadelphia 3, Pa.

Leberco Laboratories
36 Roosevelt Ave., Bloomfield, N. J.

Dr. Fred Linsker
607 West 43d St., New York 18, N. Y.

Melnar Laboratories
211 East 19th St., New York 3, N. Y.

James C. Munch
306 South 69th St., Upper Darby, Pa.

Orthmann Laboratories, Inc.
647 W. Virginia St., Milwaukee, Wis.

Public Service Testing Laboratories, Inc.
381 Fourth Ave., New York 16, N. Y.

W. S. Purdy Company, Inc.
18 Bridge St., Brooklyn 1, N. Y.

Schwarz Laboratories, Inc.
202 East 44th St., New York 17, N. Y.

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29 West 15th St., New York 11, N. Y.

R. Steckler Laboratories
10111 Euclid Ave., Cleveland 6, Ohio

Stillwell & Gladding, Inc.
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Volume 151 February 17, 1947 Number 7

Corrective Labor Legislation

It is quite generally agreed in the ranks of business management that some corrective labor legislation is necessary from the current session of Congress. There is, however, but small agreement on what is to be corrected and how. In all too many aspects, some of the programs aimed at improvements in employment relations would result in as much deterioration. They would correct certain unsatisfactoriness on one hand and aggravate disruptive conditions on the other.

It is time that management presented a united front with a definite program and a clearly understood and understandable definition of all that is sought in employment relations. The determination of whether the remedy obtained actually had any practicable virtue should be made on a similar basis, and it should be made in the language of the law itself. If there is to be, with respect to employment relations or in any other area of ecologic human behavior, government by law and not by man, the law must be fit. All too often it is not. Statutory shortcomings, far more than administrative ineptness or misfeasance, are responsible for the failures, or worse, of governmental regulation.

If there is to be a satisfactory condition of employment relations, some impartial agent must be available for the breaking of deadlocks. Whether that agent be governmental in a strict or in a special sense is one of the things to be determined—in advance—along with the largely semantic disputes about mediation, conciliation, and arbitration. It is a simple matter—and it is commendable—to urge that the existing National Labor Relations Board be replaced with a wholly judicial panel. But, nothing would be gained, much, indeed, might be lost if the functioning of such a panel were not clearly and definitely set down in the creative statute.

Above all things, the correction of unsatisfactory conditions in employment relations must be equitable. It is most desirable that employer have the same privileges as employee; that both have the same responsibilities. It must be recognized that, if compulsory unionism is outlawed—and it should be—compulsory nonunionism should get exactly the same treatment. The employer who believes in the closed shop—and many have good reasons for such a belief—should have the same right to close his shop as another has to keep his open.

It is highly desirable that the laws having to do with employment relations get back to the fundamental truth that such relations are human relations. Recognition of that fact would put an end to industrywide treatment of employment relations in every respect, would recognize them as no more and no less than the human relations between an employer and his employees. That is the field of employment relations; that is the area of legislation having to do with those relations. No man, no group of men, is employed by an industry. No industry has a common kind of employment relations throughout.

Statutory consideration of employment relations as exactly that would also solve the increasingly ominous problem of the status of so-called "supervisory employees." Arguing that these are not "employees" within the meaning of the labor relations act is pushing the matter from bad to worse. A positive statement of their status is imperatively necessary—and obviously it cannot wisely exclude them from privileges extended to associates of lower grades.

Corrective labor legislation cannot be constructed by narrow, partial arguments.

Chemicals As a Small Business

The chemical industry offers many opportunities to persons interested in starting a small related business. A new entrepreneur may act as a jobber and resell chemicals made by one or more large firms, or he may package various kinds of chemical mixtures and compounds under his own brand-name. With light mixing machinery or simple chemical reacting equipment, the small businessman may easily prepare such chemical specialties as washing powders and bleaching solutions and retail them profitably to local users.

But, there are many causes of failure in small chemical enterprises. Among these are mechanical and technical difficulties, complaints and suits for damages, incompetent purchasing, administrative, or sales practices, and insufficient capital. There is little chance of success for a small new enterprise unless the proprietor has had previous training and experience, not only in general business practices, but also in the particular field of activities chosen. It is necessary that he study marketing and sales technics suited for his products; that he acquaint himself with the Federal and State regulations governing the sale and uses of certain chemicals; and that he be prepared to work long and hard before any sizeable profits are realized.

The foregoing paragraphs are an official summary of an article published by the Department of Commerce in *Domestic Commerce* for February. Their message, in its entirety, is respectfully and urgently submitted for the thorough consideration of all those, in government and out, who apparently believe that the nation owes a living to everybody who wants to be a small businessman. The national debt is already far too large.

Washington Talks

—Continued from page 5

lasses and sugar syrup, sisal and henequen, and tin. WFO-63, administered by the Department of Agriculture, lists a much larger number of food and agricultural items.

It was explained that, for the commodities listed in either order, a special certificate will be required, including the number of the import authorization which has been granted. This should accompany each consular invoice. For items not on the lists, no such certificate will be required.

Pharmacy Week Plans

The week of April 20-26 has been selected as "Pharmacy Week," and negotiations have been completed with the American Cancer Society to obtain its support and cooperation in public education on cancer control, which will be the theme of this year's program. April already has been designated as "Cancer Control Month."

The American Pharmaceutical Association hopes to make this year's program the greatest yet, and complete window displays are being offered without charge to every pharmacy in the country. By combining professional and public relation aspects of the traditional pharmacy week with a theme of health education, the observance takes on increased significance.

The traditional features of pharmacy week will be preserved and expanded in the program. Plans are being made for broadcasts at the national level, and radio scripts and announcements will be available for local use. There will be recognition by government officials, a public relations program for the press, and ample material available for addresses before civic clubs, high-school assemblies, and other public gatherings.

Surplus Disposal Handicaps

The War Assets Administration is still having its troubles in getting rid of the surplus of consumer goods. While these types of surpluses have been moving out rather quickly, in comparison to others, sales still are not keeping up with new declarations of surplus, with the result that inventories are steadily rising.

One of the obstacles to disposals have been the restrictions surrounding negotiated sales. One of the objectives of the program has been to get as many potential buyers in the market as possible, and for this reason the agency has concentrated on competitive bidding. But there are times when interest in the product isn't sufficiently broad to warrant the expense of this method of disposal.

To meet these special situations, the agency has relaxed its restrictions on negotiated sales to provide additional criteria under which negotiated sales may be made. They now may be made when surplus property remains in inventory after a full and adequate offering has been made by competitive bid; and when the disposal agency makes a written finding that the surplus is of "so special a nature or manufacture or limited use that only one or a few purchasers would be interested in the acquisition and that an offering of such property by competitive bidding would prejudice the monetary return to the government if all such bids were subsequently rejected."

OPD Forum

Outlet for Individual Opinion

(Anonymous communications will not be recognized, but a signer's name will be withheld at request.)

Phosphate Research

To the Editors:

OIL, PAINT AND DRUG REPORTER.

Sir:—

In your edition of February 3, on page 5, you carry a story on "Radioactive Phosphorus Used in Soil Study."

Your Washington correspondent stated:—"The project is being supported by a grant from the phosphate research committee of the National Fertilizer Association."

That statement is incorrect.

The Phosphate Research Committee is in no way connected with the National Fertilizer Association or any other organized group. The project on radioactive phosphorus is not being supported by a grant from the National Fertilizer Association, but from funds supplied voluntarily by fertilizer companies interested in promoting a cooperative research program on radioactive phosphorus between industry and certain agencies of government.

In order to keep the record straight, it will be appreciated if you will publicize this correction.

Baltimore, Md. V. SAUCHELLI, Chairman, Phosphate Research Committee.

Price Readjustments

To the Editors:

OIL, PAINT AND DRUG REPORTER.

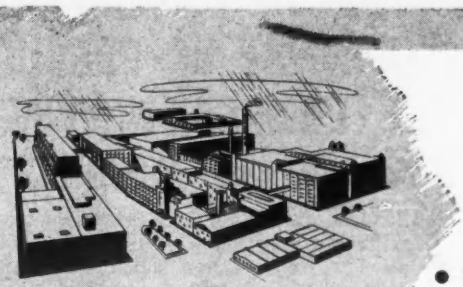
Sir:—

I have just finished reading the editorial in the OIL, PAINT and DRUG REPORTER, issue of February 10, entitled "Step Down or Tumble."

This is a splendid editorial, and you portray the picture so perfectly that I think the editorial should have wide circulation. Prices in some of our materials are so fantastic that I shudder to think of the grand tumble that they are going to experience some of these days. How much better it would be if all of industry would now start stepping down our prices to avoid the very sharp decline which is inevitably coming.

Congratulations to you on a splendid article.

Newark, N. J. CLARENCE W. SLOCUM, President, Beckwith-Chandler Company.



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Heavy Chemicals

Consuming industries continued to take production of all the heavy tonnage chemicals readily enough to prevent any reserve accumulations. In some of the smaller items, demand did not appear as urgent as noted a month ago, but is expected to increase in March. The market's overall price structure is firm with higher producing costs sustaining recent advances and contributing to the upward trend that has featured the market since the turn of the year. The freight car shortage combined with delayed coal shipments has worked against capacity production and kept the call for deliveries of heavy chemicals under high pressure from industrial consumers. Such conditions have curbed the amount of soda ash, caustic soda and affiliated chemicals from percolating into second hand channels and have permitted a wide differential in prices to exist for resales over producers' contract quotations.

Price developments during the week included advances in copper hydrate, solid copper naphthenate and olivine. Some producers are higher in their views for aqua ammonia in drums. There is a tendency to drop the shipping of aqua ammonia in carboys owing to high prevailing costs and the present shortage. It looks as though some of the tin chemicals may make their appearance on the market in the near future. The chlorates remained in a definitely tight supply condition. All the sal ammoniac that can be produced found a ready outlet. Importations of 1,200 drums of cyanide of soda from Liverpool were noted.

Bureau of the Census states that output of the larger volume industrial inorganic chemicals in December exceeded the November output with the lesser volume chemicals holding about the November level. An increase of 41,659 tons to a December total of 891,370 tons in sulfuric acid production, attributable to both contact and chamber producers, was the greatest quantitative change in the two-month period. The December total and the rise in production over November for other chemicals showing a marked increase are:—chlorine, 102,622 tons, up 5,487 tons; soda ash, total wet and dry, 385,369 tons, up 17,067 tons; and liquid caustic soda, electrolytic, 100,-183 tons, up 7,659 tons, lime-soda, 64,989 tons, up 4,238 tons.

Paper production as a percentage of six-day capacity was 106.2 in the week ending February 7, according to the American Paper and Pulp Association. This compares with 104.0 the previous week and 99.7 percent a year ago.

Production figures given below unless otherwise designated are from the Bureau of the Census.

Ammonia, Anhydrous — Production of synthetic was moderately higher in December. The total registered 82,-123 tons, compared with 80,380 tons in November and 45,557 tons in December, 1945.

Ammonia, Aqua — Some producers are maintaining higher prices for 26-degree material and quote drums at 3¼c. per pound in carlots and at 3½c. per pound for less than carlots. These prices are f.o.b. works. Freight on full drums to consuming point will be for customer's account and return freight on empty drums also will be for customer's account.

Ammoniac Sal—Supply conditions for white granular revealed no material change. The dry-salt battery manufacturers are taking a sizable amount of current production and there is also a steady demand from the leather industry. Difficulty has been experienced in keeping production at capacity, but requirements are being leveled off as rapidly as possible. The absence of surplus stocks has kept the market definitely tight.

Cadmium Metal — Supply condition has shown no sign of easement and the market has remained practically bare of stocks. The last sale reported was at $1.55 per pound. London advices quote the market at 10s. per pound

Market Trends

Prices Advanced

Copper hydrate, ½c. per lb.
Copper naphthenate, solid, 8¼c. per lb.
Olivine, 8 mesh, crushed, $2 per ton.

Prices Reduced

None

Comparative Price Indexes

General Chemicals

(100=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year.
194.5	194.5	193.3	168.9

Acids

Last week.	Prev. week.	Last month.	Last year.
119.1	119.1	118.4	116.0

(For Current Prices see Page 9)

delivered for 99.9 percent, ingots, sticks and rods.

Calcium Carbide — December production was lower for the commercial grade. The total amounted to 51,830 tons, compared with 55,312 tons in November.

Calcium Chloride — Heavy demand has prevented any easement in the supply situation and producers state that no relief is in sight at present. Boxcar shortage has delayed shipments and open gondolas and trucks have been pressed into service to facilitate transportation. The serious shortage of stocks has restricted new business and confined the current movement to contract accounts.

Calcium Phosphate—Production of dibasic in December amounted to 7,807,000 pounds, compared with 5,624,000 pounds in November. Output of monobasic registered 6,887,000 pounds in December against 7,109,000 pounds in the previous month.

Carbon Dioxide—Output of liquid and gas increased in December. The total was 16,022,000 pounds, compared with 15,437,000 pounds in November. Production of solid, dry ice, was lower at 40,765,000 pounds, against 46,611,000 pounds in November.

Carbon Disulphide—Production was lower in November. The total was placed at 25,693,583 pounds, compared with 27,444,008 pounds in the preceding month, according to the Chemical Division of the United States Tariff Commission.

Chlorine—Supply position has continued tight with shipments delayed by container shortage. Consuming demand has shown no sign of easement to date and is far enough ahead of output to keep the market out of balance. Production in December amounted to 102,622 tons, compared with a revised total of 97,135 tons in November and 94,784 tons in December, 1945.

Chrome Ore—Sales of non-ferrous metals by the Philadelphia regional office of War Assets Administration aggregated $140,376 during the week of February 10, a return to the government of more than 91 percent of acquisition cost, WAA reported. Chrome ore was sold to the Treasury Department in Washington for $111,-662, the original cost. Importations last week amounted to 9,808 tons.

Copper—Production of copper metal and refined deliveries in the United States reached the highest levels in January of any month since the wartime period, according to statistics released by the Copper Institute. Crude or newly mined copper output rose to 79,341 short tons in January, a high for any month in about two years. Mine production in December was 78,674 tons, a peak for the year and compared with a low of 29,280 recorded in April, when strikes were prevalent in the industry. January, 1946, output was 58,178 tons. Deliveries of refined copper to consumers in the United States, including deliveries of duty-paid foreign copper for domestic consumption, totaled 143,692 tons, against 141,218 the month before and 115,601 for January, 1946.

Copper Hydrate — Higher prices were named for this material. Suppliers gave the inside price for carlots at 25c. per pound delivered and at 25½c. per pound for smaller quantities delivered. Consuming demand has increased and the hydrate has been found a satisfactory substitute for copper carbonate in many instances it was stated.

Copper Naphthenate—Suppliers have

For Late Market Developments, See Page 4

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established a higher selling level for solid 10 percent. The lowest price heard was 34c. per pound in drums delivered. The liquid was unchanged at 20½c. per pound same basis.

Glauber's Salt—December production was moderately lower than the preceding month. The total amounted to 14,593 tons, compared with 15,242 tons in November and 13,881 tons for December, 1945.

Magnesium — Total shipments of magnesium wrought products during 1946 amounted to 6.6 million pounds, 10 percent above the 6.0 million pounds shipped in the previous year, according to a report released by the Bureau of the Census. However, the 1946 figure was considerably below the 1944 shipments when war needs greatly accelerated activity in magnesium extrusions. Shipments during 1946 exhibited a steady upward trend, ranging from a low of 415 thousand pounds in February to a high of 764 thousand pounds in November. The only interruptions of any magnitude to this trend occurred in August, and in December as the year ended. Shipments of magnesium extrusions in 1946 advanced to 3.2 million pounds, 4 percent higher than the quantity shipped in 1945. The 427 thousand pounds shipped in November was the maximum monthly figure recorded during the past two years.

Manganese Carbonate—Production is said to have been cutback through difficulty in securing basic materials. Deliveries have been below scheduled requirements and the market has developed a tighter condition.

Nickel Carbonate—Not in free supply, but meeting requirements on a fairly prompt basis. Production has been kept down by the shortage of basic materials.

Nickel Chloride — Some delay in making contract schedules is reported. Producers have not been able to get enough muriatic acid to keep shipments flush with current demand.

Olivine—Crushed 8 mesh has been advanced $2.00 per ton, establishing the market for carlots in bulk at $10.00 per ton at the works. Carlots in paper bags are held at $12.00 per ton. Lump in bulk was held at $7.00 per ton. Production of SPALLS has been discontinued by the major producer.

Potash Chlorate—Market conditions were reported tight with no improvement noted in the supply situation. The recent ice storm has caused delay in moving material from some of the Northern producing plants. Meanwhile, there has been no easement in the consuming demand, the call from the match industry continuing at an unusually high level.

Salt Cake—Market position firm at the late advance with demand temporarily exceeding production. Output in December was placed at 50,089 tons of crude commercial, against a revised total of 37,252 tons in November and 44,324 tons in December, 1945.

Soda Ash—Industrial requirements have continued to exceed current production of soda ash and the market has maintained a decidedly tight position. The only additional quantities available have been odd lots of resale stock with second hands asking a substantial premium over the consumers' contract price. There were no new developments that would indicate an easement in the supply situation during the first half of the year, although some interests look for a fuller distribution over the last half of 1947. Shipments have been retarded in some sections by the shortage of transportation facilities and the blocking of freight traffic by the recent snow storms but all the material possible has been moved from works to consuming plants. The current shortage of stocks has checked export trade where demand is active, the inquiry showing expansion resulting from the cutback experienced at British producing sources. Production of finished light soda ash in December amounted to 186,671 tons, compared with 176,446 tons in November. Output of dense ash was to 141,030 tons against 136,626 tons in the preceding month. Production of natural registered 19,990 tons in December against 15,357 tons in November.

Soda Bicarbonate — According to December figures, production was maintained during December but below that of December, 1945. The totals were 15,999 tons, against 15,580 tons in November and 16,814 tons in December, 1945. Department of Agriculture purchased 54,330 pounds of baking powder in December at a cost of $1,358.

Soda, Caustic — While producers have made every effort to ship as much material as possible from works, shortages in containers and boxcars, combined with the recent ice storms have interrupted the flow of stocks to the consuming industries. The market has continued to feel the impact of an unusually heavy industrial demand that has overtopped production capacity and created an exceedingly tight market condition. There are no reserve stocks and demand is being fed from current production. Meanwhile, export trade has been seriously restricted, with occasional sales of resale stock reported at substantial advances over the contract price. December production of caustic soda by the electrolytic process amounted to 100,183 tons of liquid and 14,955 tons of solid, compared with a revised total of 92,524 tons of liquid and 13,848 tons of solid in November. Output by the lime soda process was 64,989 tons of liquid and 20,805 tons of solid in December against 60,751 tons of liquid and 20,374 tons of solid in the preceding month.

Soda Phosphate—Increased production was noted in tribasic in December. The total amounted to 9,057 tons, compared with a revised total of 7,185 tons in November. The output of dibasic was 5,397 tons in December, against 5,676 tons in the preceding month.

Soda Silicate—Production, including soluble silicate glass, liquid, solid and anhydrous, in December amounted to 32,479 tons, compared with 34,442 tons in November and 29,276 tons for December in 1945.

Soda Sulphate—Refined anhydrous showed an increase in production in December. Output registered 11,753 tons, compared with 9,229 tons in November and 9,489 tons in December, 1945.

Tin—Several important changes in the tin conservation order M-41, including the elimination of quotas restrictions and providing for some relaxation in the use of the metal during the first quarter of this year has been made by the Civilian Production Administration. Among the changes were several important to the chemical industry as follows:—Tin or tin chemicals may be used as laboratory reagents, for medicinal purposes and for plating processes where such plating is permitted by the order Tin oxide may now be used for the production of chrome green, pink, yellow and red colors. It also may be used for the production of earthenware plumbing fixtures. The permitted

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tin content for electrotypers' foil has been increased from 16 to 30 percent. Tin content for dental foil is now unlimited as compared with a former 30 percent restriction.

Acids

Chromic—Inquiry from platers has remained steady with a tendency to expand. Prices are quoted firm at the recent advance with production heavily sold against contract accounts. The current supply is described as tight.

Formic—Stocks have remained short with shipments delayed through the scarcity of containers. Market firm at former price levels.

Hydrofluosilicic — Consuming demand has been satisfied on a fairly prompt basis. Stocks not excessive but able to meet requirements of the breweries and other consuming trades.

Hydrofluoric — Rather short for prompt shipment with container shortage delaying the movement from works. Demand reported active from the glass, metal and petroleum industries.

Nitric—Not in free supply but stocks sufficient to meet most essential requirements. Carboy shortage has caused some delay in shipments from works.

Oxalic — Continued in definitely short supply with shipments substantially behind scheduled requirements. Demand has remained active for miscellaneous uses while suppliers are not eager for additional business until the market shows a better degree of balance.

Sulphuric — Heavy consuming demand is said to be sufficient to take production readily if enough tank-cars are made available. The scarcity of containers has caused delays in the movement of acid to consumers and shortages have resulted at some points. The market holds a firm position but without additional price changes. December productions registered a total of 891,370 tons. Output by the chamber process was 293,719 tons and by the contact process 597,651 tons. Total November production was 849,711 tons and in December 1945, the output amounted to 744,993 tons.

Mineral Resources Bill

—Continued from page 3

poration had been fully reimbursed for all new capital expenditures expended upon the property.

Minerals Development

A bill (H. R. 1246) to encourage the development of domestic mineral resources through loans by the Reconstruction Finance Corporation has been introduced by Representative Richard F. Harless of Arizona. The measure sets up a fund of $25,000,000 for the loans which would be made by the RFC in such manner as it deems best to aid the United States in its national economy or national security.

Another bill (H. R. 1285) introduced by Mr. Harless would direct the payment of compensation for furnishing or arranging to furnish strategic or critical minerals and metals in response to government appeals during the war, whether or not a contract was entered into.

Potassium Permits

A resolution (H. J. Res. 47) directing the Secretary of the Interior to refrain from canceling applications for potassium or magnesium permits or leases in the State of Utah now pending before the Department of the Interior, has been introduced by Representative William A. Dawson of Utah.

The congressional "stop-order" would continue in effect until an investigation could be made of the matters surrounding the issuance of the original order of the secretary on April 5, 1938, which suspended action on all applications for permits, and the secretary's order of May 26, 1943, withdrawing the potassium and magnesium lands of Utah from entry for permits and leases.

Mineral Rights

Federal land banks would be prohibited from reserving the mineral rights or making any charge for such rights in disposing of any land now owned or hereafter acquired through foreclosure of a mortgage, under terms of a bill (H. R. 583) introduced by Representative William M. Colmer of Mississippi. The bill applies a similar prohibition in connection with land disposals of the Land Bank Commissioner and the Federal Farm Mortgage Corporation.

Depletion Allowances

Provisions of the Internal Revenue Code relating to percentage depletion allowances for certain minerals would be extended to include bentonite under terms of a bill (H. R. 662) introduced by Representative Frank A. Barrett of Wyoming. The allowances would be authorized with respect to taxable years beginning after December 31, 1945.

Strategic Materials

—Continued from page 3

for stockpiling will probably continue for five years and after that time buying will be largely limited to items in need of rotation.

Three lists of materials included in the stockpiling program were made public. The Group A list comprised those materials for which stockpiling is deemed the only satisfactory means of insuring an adequate supply for a future emergency.

Group B comprised additional lists of items practical of stockpiling, but which the ANMB recommends their aquisition only to the extent that they may be available for transfer from government agencies, since adequacy of supplies can be insured either by use of substitutes or by stimulation of existing domestic production. Group C or materials, which are not now recommended for prominent stockpiling because of storage of difficulties.

The stockpiling lists are as follows:—

Group A

Agar, antimony, asbestos, bauxite, beryl, bismuth cadmium, castor oil, celestite, chromite, cobalt, coconut oil, conumbite, copper, cordage fibers, corundum, industrial diamonds, emetine, graphite, hyoscine, iodine, jewel bearings, kyanite, lead, manganese ore, mercury, mica, monazite, nickel, opium, palm oil, pepper, platinum group metals, pyrethrum, quartz crystals, quebracho, quinidine, quinine, rapeseed oil, rubber (crude and latex), rutile, sapphire and ruby, shellac, sperm oil, talc, tantalite, tin, tung oil, tungsten, vanadium, zinc, zirconium ores.

Group B

Aluminum, barite, English chalk, chromite (chemical grade), cryolite, diamond dies, emery, fluorspar, graphite (crystalline fines), magnesium, mica (muscovite block and phlogopite block), molydenum, platinum group metals, selenium, talc (ground steatite), and wool.

Group C

Asbestos (Canadian chrysotile), pig and hog bristles, jute, burlap, cordage fibers, cork, optical glass, iron ore, kapok, leather (heavy and light cattle hides and calf and kip skins), loofa sponges, lumber (balsa and mahogany), petroleum and petroleum products, radium, iron and steel scrap, sesame oil.

F.J. Bates Retires From Standards Bureau

OPD Washington Bureau

The retirement of Frederick J. Bates, noted sugar physicist at the National Bureau of Standards, after more than forty-three years continuous service, has been announced by Dr. E. U. Condon, director of the bureau. Mr. Bates joined the staff of the bureau in 1903 as chief of the polarimetry section and has also been chief of the optics division since 1941.

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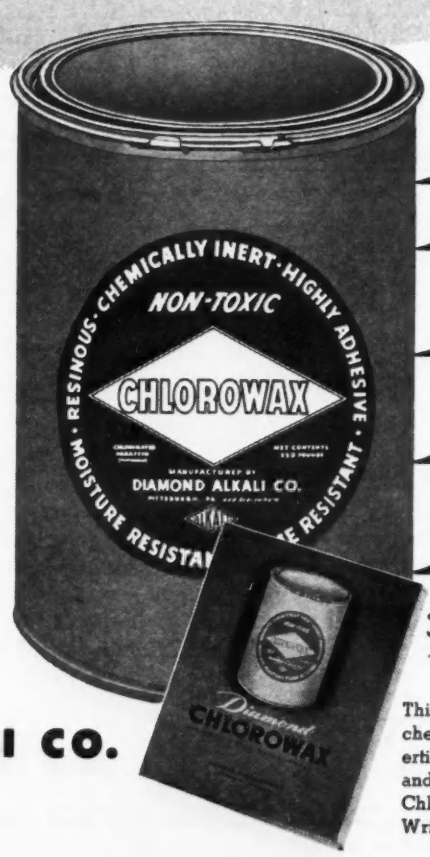

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Bismuth Subcarbonate Takes Individual License

Bismuth subcarbonate was added to the positive list of commodities requiring individual licenses for export in an amendment to its regulations issued by the Office of International Trade. The addition of the chemical to the list was effective February 17.

At the same time, the agency removed bismuth salts and compounds, both medicinal and industrial grades, from the positive list and these may now be exported under general license to group K destinations.

Sulphur Export Corp.

—Continued from page 7

the Consorzio, was dissolved by the Italian government.

In 1934 a new contract was entered into between Sulexco and the Ufficio per la Vendita Dello Zolfo Italiano, a compulsory sales agency, which was created by an Italian royal decree and included all the Italian and Sicilian producers. By the terms of the Ufficio agreement, joint marketing arrangements were entered into between Sulexco and the Ufficio effective, in all countries except Italy and its possessions and North America, Cuba and the insular possessions of the United States.

The commission concluded that certain clauses in the Consorzio and Ufficio agreements had a tendency to restrain the export trade of domestic competitors of Sulexco. These clauses were a provision for a deduction from Sulexco's quota for exports for shipments made by non-member American producers; a guarantee by Sulexco to Ufficio of a minimum tonnage in 1938; a provision for a deduction from Sulexco's export quota for exports of manufactured sulphur from the United States, and a clause providing for the maintenance of the status quo in the manufactured sulphur industry in the trade territories covered by the agreement.

In 1936, Sulexco entered into an agreement with Orkla Grube Aktiebolag, a Norwegian sulphur producer known as Orkla, providing for the joint acquisition of certain foreign patents for the extraction of sulphur from pyrites. Pursuant to this agreement, certain Norwegian patents were acquired by Orkla, in which, under the agreement as carried out, Sulexco may have been entitled to an interest. The commission concluded that Sulexco was not authorized by law to acquire any patents.

The commission stated the evidence indicated that Sulexco had entered into certain trading contracts with Jefferson Lake Sulphur Company and Duval Texas Sulphur Company, who were competing nonmember American producers. These involved agreements on the part of the two nonmembers to refrain from competing with Sulexco in export trade in sulphur and agreements to sell in foreign markets at noncompetitive prices and terms. Also involved were agreements whereby Sulexco marketed sulphur for the nonmembers in export at agreed prices.

The commission concluded that these contracts were unlawful, at least insofar as the two independent companies who were not members of Sulexco were concerned, since they were not entitled to the protection of the export trade act.

The record showed that while Sulexco, as required by law, had filed seasonably with the commission its major agreements and had shown a willingness to file all documents required or requested, there were certain minor documents which had not been filed. This failure provided the basis for the commission's recommendation that in the future Sulexco file all such information.

Among the recommendations made by the commission were that Sulphur Export Corporation refrain in the future from formulating, promoting or participating in any plan, program or agreement such as that provided in the agreement with Orkla-Grube Aktiebolag, that Sulphur Export Corporation shall acquire or control or participate in the acquisition or control of any share in patents or processes useful for or capable of being used in connection with the production of sulphur for commercial purposes, and that said corporation in the future refrain from so obligating itself, financially or otherwise, in any such understanding or agreement.

"That Sulphur Export Corporation in the future refrain from entering into any understanding or agreement with the American producers of sulphur who are not regularly admitted and recognized members of said corporation, whereby said producers or Sulexco agree not to sell sulphur in certain foreign markets, or to sell only at agreed or noncompetitive prices and terms, or to refrain from competing with each other in export trade in sulphur.

"That Sulphur Export Corporation in the future cease and desist from selling, handling, marketing or disposing of sulphur for the account of or belonging to any American producer who is not a regularly admitted and recognized member of the Sulphur Export Corporation.

"That Sulphur Export Corporation in the future seasonably file with the commission all information required by the export trade act, to be filed annually, and furnish all information and documentary evidence requested or required by the commission, pursuant to said act, whether called for by report forms, by questionnaires or communications, by personal visitation or otherwise.

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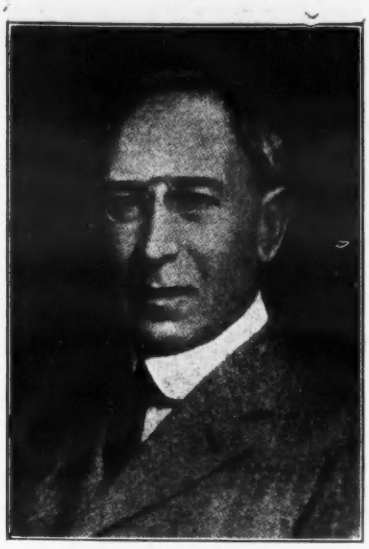
Obituaries

Dr. Moses Gomberg

Dr. Moses Gomberg, chemistry instructor and professor at the University of Michigan for forty-three years until his retirement in 1936, died Feb-



Dr. Moses Gomberg

ruary 11. He was eighty-one years of age.

A native of Elizabethgrad, Russia, Dr. Gomberg came to Ann Arbor in the middle 1880s and, but for two years of study in Germany in 1896-'97, passed most of his life as a student, professor or researcher in the University of Michigan. He received the Bachelor of Science degree in 1890, the masters degree two years later and in 1894 the degree of Doctor of Science.

From 1893 to 1899 he was a chemistry instructor, pausing only to study in Munich and Heidelberg. In 1904 he was made a full professor, holding the post until 1936. In the last nine years of his career he was chairman of the department.

The Nichols medal of the American Chemical Society was awarded to Dr. Gomberg for his original work in triphenylmethyl and its derivatives, a member of the dye family. Columbia University gave him the Chandler medal in 1927 for his original research, and two years before he won the William Gibbs medal.

Robert W. McClellan

Robert W. McClellan, special assistant to the general manager of the ammonia department of E. I. du Pont de Nemours & Co., Wilmington, Del., died in that city February 11. He was sixty-four years old. Mr. McClellan had been ill since last July, when he was stricken with a heart attack while in Canada.

After starting his career with the American Car & Foundry Company, Mr. McClellan joined Repauno Chemical Company in 1900, a short time before that firm was acquired by du Pont. In 1904 he went to Joplin, Mo., as chief clerk and cashier of the Joplin Powder Company, but a year later returned as secretary for W. B. Lewis of du Pont's high explosives department.

Mr. McClellan became assistant manager of the works supplies section of the high explosives operating department in 1915 and four years later was named manager. The following year he was made assistant director of the service department, and in 1921 returned to the explosives department as director of the control division.

In March, 1929, Mr. McClellan was transferred to the American Glycerin Company as vice-president and general manager, and was appointed president and general manager five months later. He became director of sales for the ammonia department of du Pont in 1930 and was named special assistant to the general manager in 1944.

Robert A. Mcfarlan

Robert A. Mcfarlan, manager of the Parlin, N. J., finishes plant of E. I. du Pont de Nemours & Co., Wilmington, Del., died February 12 in New Brunswick, N. J., after an illness of several months. He was fifty-four years old.

Mr. Mcfarlan was associated with du Pont since 1912 and had been stationed at the Parlin plant since 1921. Among the survivors is his brother, E. J. Mcfarlan, of the fabric and finishes department in Wilmington.

J. Vincent Reardon

J. Vincent Reardon, president of the Reardon Company, paint manufacturer, St. Louis, died February 8. He was fifty-eight years old.

Mr. Reardon started in business in 1908 with his father, the late James A. Reardon, then head of the Reardon Glue Company, which in 1914 was reorganized as the Reardon Glue Manufacturing Company. The water paint department of the company was started soon after, and the name of the firm was changed to the one it now bears.

The younger Reardon was secretary of the company from 1912 until 1914, and vice-president from 1914 until 1918, when he ascended to the presidency upon the death of his father. In addition to heading his own firm, he was president of the Nelson Products Company, Chicago. Mr. Reardon was a former president, vice-president and secretary of the St. Louis Paint, Oil and Varnish Club, and a member of the trademark committee of the National Paint, Oil and Varnish Association.

George S. Weidner

George S. Weidner, president of the Fiebling Chemical Company, Milwaukee, Wis., died of a heart attack at his home in that city February 8. He was sixty-nine years old. Mr. Weidner founded the company with the late John H. Fiebling fifty years ago.

Howard Ackley, a partner in Ackley Beverages, Inc., manufacturer of carbonated beverages, Hempstead, L. I., died February 11 in Hempstead. He was forty-three years old.

Laurence R. Blackhurst, for ten years manager of the plastic products division of E. I. du Pont de Nemours & Co., Wilmington, Del., died recently at his home in Chestertown, Md. He was sixty-one years old.

Kenneth R. Brown, whose death was reported in last week's issue, was erroneously reported to have been associated with the American Can Company. It should have read National Can Corporation.

Richard A. Coburn, plant engineer at Brooklyn, N. Y., for the Socony-Vacuum Oil Company, New York, died February 7 at his home in Queens Village, N. Y. He was fifty-two years old. He had been associated with the oil firm for twenty-eight years.

Frank W. Kieffer, owner of the Kieffer Products Company, wholesale drug distributor, Kingston, N. Y., died at his home there, February 7.

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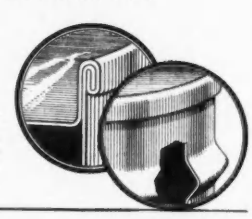

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Textile Chemists Study Raintester

Discussion of a new laboratory penetration instrument for measuring the water repellent properties of treated fabrics, together with a review of "planned" textiles, featured the recent meeting of the New York section of the American Association of Textile Chemists and Colorists at the Swiss Chalet, Rochelle Park, N. J., January 31.

The instrument, known as the raintester, was developed by E. I. du Pont de Nemours & Co., Wilmington, Del. Employing the principle of water absorption on a blotter which rests against the sample of fabric under test, the raintester simulates actual rain conditions by five minutes of water spray impact upon the fabric. The unique feature of the raintester lies in its versatility in that the water impact on the fabric is carried out at various pressures.

This precedure, it is claimed by George Slowinski, who presented the paper, gives moisture penetration results which correlate with practical rain tests of various intensities carried out in the rain room of the Philadelphia Army Quartermaster Depot. Mr. Slowinski said that such correlation is not obtained by other laboratory instruments used to date, such as the Bundesmann tester, the Drop Penetration tester, and the A.A.T.C.C. hydrostatic pressure and impact testers.

Waldemar R. Kuensel, executive manager of the fabric development department of Deering Milliken & Co., discussed "planned" textiles in which the physical properties of the fabrics for each end use are planned. The talk featured a chart on which the particular physical and chemical properties of fabrics for each end use were indicated. Those properties listed were hand, resiliency, dying in dark colors, uniformity of dying, color fastness, controlled shrinkage, and resistance to wet and dry abrasion.

Georgia ACS Section Elects Cudd Chairman

Dr. Herschel H. Cudd of the research division of the West Point Manufacturing Company, West Point, Ga., has been elected chairman of the Georgia section of the American Chemical Society. He succeeds Professor Charles J. Brockman of the University of Georgia.

Dr. Charles T. Lester of Emory University was elected vice-chairman, and Dr. L. W. Blitch, also of Emory, was reelected secretary-treasurer.

Dr. Cudd served as chemist for the Texas Liquor Control Board from 1933 to 1941, when he joined the rayon technical division of E. I. du Pont de Nemours & Co., Wilmington, Del., as a research chemist. In 1942 he became supervisor of inorganic research for the International Minerals & Chemical Corporation, East Point, Ga., a post he held until last year when he assumed his present position.

Textile Group Plans Scholarship Examinations

George T. Metcalf, executive secretary of the New England Textile Foundation, reports that a total of eighty-two applications for foundation scholarships from high school graduates or seniors throughout the nation recently were submitted to New England's four textile schools. Of this total seventy-eight applications were approved. Forty of the successful applicants will receive scholarships on the basis of competitive examinations to be held April 12.

Trade Briefs

Monsanto Chemical Company, St. Louis, plans a 1947 expansion of its textile chemicals program, involving an outlay of several million dollars.

Textile Research Institute, New York, has published a book entitled "Textile Microscopy in Germany," which is available at a pre-publication price of $5.

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Textile and Leather Chemicals

Moderate improvement was reported in the granting of export licenses for the shipment of quebracho extract by the Argentine government last week, though demand continued to exceed the quantities allotted. It was stated that to date, shipments of quebracho extract have been restricted to the solid ordinary and no clarified was available because of the scarcity of soda ash and soda bisulphite at producing centers. Wattle extract replacements continued in active request. Offers from primary markets were scarce and arrivals last week were delivered on former contracts. Interest in domestic extracts was light with tanners purchasing requirements in a hand-to-mouth manner. Higher prices were announced for ammonia bichromate, potash chromate and lignin extract by suppliers for shipment from works.

Steady demand for potato starch for domestic use and for export has practically cleaned up the production during the next two months. Active export inquiry for corn starch was partially covered by resale material which was sold above processors prices. Production of cornstarch and dextrin was sold well ahead and the supply situation was still tight, insofar as the latter material was concerned. Trading in tapioca flour was quiet, both for spot delivery and for shipment from Brazil. Offers for shipment from Brazil were restricted to the low types as the better grades have been cleaned up.

Allocation of 60,000 heavy cattle hides for export during February were announced by the Office of International Trade to the following countries:—Norway, 6,000; Sweden, 1,000; Finland, 2,500; Netherlands, 14,000; Belgium, 8,000; France, 11,000; Switzerland, 5,000 and Turkey, 2,500.

Chemicals

Ammonia, Bichromate—Prices were firmer and advanced to 26c. to 30c. per pound, barrels, works, depending upon quantity.

Bichromates — Steady consuming demand continued to readily absorb the output. Supply conditions remain tight and resale lots commanded usual premiums. Export inquiry was active, with shipments far below requirements. Prices were firm.

Potash, Chromate—Increased cost of production resulted in suppliers advancing quotations to 25c. to 29c. per pound, bags, works, as to quantity.

Soda, Hydrosulphite—Withdrawals against contracts were in good request. Scarcity of containers continued to affect deliveries. Prices were well maintained at current levels.

Sulphonated Oils—Production was limited, owing to the difficulty of obtaining animal and vegetable oils. Demand for sulphonated tallow and castor oil was fairly active, with suppliers restricting sales to small lots. Prices remain strong.

Sizing Materials

Albumen, Blood—Active demand was noted for delivery on previous orders. Market was steady and unchanged. Supplies were reported as not heavy but adequate to meet the current demand.

Albumen, Egg—Improved inquiry was reported for spot delivery. Volume of sales also was better and moderate quantities were taken for immediate needs at prevailing quotations. Scarcity of technical grade continued to limit trading to small lots. Business in this grade was expected to improve next month with the increase of production. Quotations were well maintained for both grades.

Dextrin, Corn—Consuming inquiry was active for nearby requirements. Deliveries were reported about two weeks behind schedule. Production was reported at capacity and readily absorbed against contracts. Market was firm at former quotations.

Egg Yolk—Conditions in this market remain firm under a good inquiry and limited supplies. Trading was light and mainly for small quantities. Prices were unchanged and well held.

Starch, Corn—Production continued to move steadily against former contracts. Market remains firm and unchanged. Export inquiry was reported active, and sizable lots of resale material were booked for shipment at 1c. to 2c. per pound, over producers levels.

Starch, Potato—Moderate demand for export and domestic consumption was reported last week. Production was reported sold through March, with a good inquiry noted for April shipment. Prices were well held at the recent advance.

Tapioca Flour—Better grades of the new crop were offered at 9½c. to 10c. per pound, f.o.b. Brazil. Trading was quiet both here and for shipment from Brazil. Supplies on the spot were quoted at 7¾c. to 13c. per pound, according to quality. Arrivals totaled 10,470 bags at New York last week.

Tanning Materials

Chestnut Extract—Market was reported steady. Users were showing a good inquiry for nearby requirements. Supplies were reported adequate to cover the current demand. Prices were steady.

Divi Divi—Consuming inquiry for new crop material was fairly active. Offerings for shipment were limited, with sellers asking for bids. Last quotations named for prompt shipment were on the basis of $68 to $70 per ton, exdock U. S. ports.

Lignin Extract—This market was steady and tanning grade was recently advanced to 4¾c. per pound, in bags, carlots, works.

Mangrove Bark — Reports from Africa indicate a firm market, with offers for shipments reported scarce. Nominal quotations were reported for 38 percent tannin at $58 to $61 per ton, exdock, New York. Trading was quiet.

Myrobalans—Tanners showed little interest in the increased offers for shipment. Primary markets were reported easy and quotations entirely nominal.

Quebracho Extract—Some increase was reported in offerings for prompt shipment from the Argentine, but trading was confined to solid ordinary at 7 15/16c. per pound, exdock, Atlantic ports, in bond. No clarified was reported available for shipment because of the lack of soda ash and soda bisulphite and this grade was nominal at 8 9/16c. per pound, same basis. Demand for nearby delivery was active and exceeded available offerings for shipment. Arrivals last week were larger than some time past totaling 19,810 bags at New York and Boston and were delivered against previous contracts.

Sumac—Imports of ground sumac totaled 350 bags and 100 bales of the leaf at New York last week for delivery on former orders. Consuming inquiry for replacements.

Tara Powder—High cost of replacements continued to affect business. Offerings for shipment were scarce. Arrivals of powder amounted to 250 bags at New York last week and were consigned against prior orders.

Valonia—Lack of inquiry for shipment gave this market an easy tone. Offers from primary markets were liberal, with quotations merely nominal and unsteady, especially for cups.

Wattle Bark—Firm conditions featured producing centers and with demand active, prices were well maintained. Offers for shipment were reported light. Tanners were in the market for nearby replacements. Arrivals of bark were reported at 3,850 bales and 9,180 bags of extract at New York last week, for delivery on former orders.

Market Trends

Prices Advanced

Ammonia, bichromate, 3c. per lb.
Lignin extract, ¾c. per lb.
Potash, chromate, 1c. per lb.

Prices Reduced

None

Comparative Price Indexes

(100=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year.
293.5	293.5	288.6	299.4

(For Current Prices see Page 9)

For Late Market Developments, See Page 4

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Coaltar Chemicals

Higher rate of steel activity was noted last week. The schedule called for 93.7 percent of ingot capacity, the highest operating level since the week of May 14, 1945. While it is apparent that coaltar production is being maintained at a relatively high level, there was no indication of easement in the supply of coaltar chemicals. Consuming demand has continued active enough to prevent excess inventories and buyers are experiencing difficulty in securing sufficient stocks to meet current requirements. The recent advance noted in creosote oil was followed last week by upward revisions in toluol and xylol prices, the advance registering one cent per gallon for both items. The reason for the increase was higher producing costs. Demand for toluol has been expanding of late and it was evident in the last quarter of 1946 that the spilling of several million gallons of government surplus on the open market earlier in the year had spent its influence. Purchases of xylol, particularly by the lacquer industry, have mounted and production has found a ready outlet into consuming channels. Benzol was not free for prompt shipment while demand has broadened, thereby creating a decidedly firm undertone to the market. Creosote oil has felt the impact of a steady inquiry, chiefly for wood preservation and demand is expected to increase with the advent of the Spring season. Cresylic acid showed no sign of supply easement and the outlook is not favorable for any nearby expansion of importations from British supply sources. There is not enough crude naphthalene at present to meet the requirements for phthalic anhydride. Phenol is said to be sold tight over the next few months. Competitive influences were said to be responsible for lower prices in U.S.P. cresol.

There is a limitation on the amount of dyestuffs and intermediates available. The stringency in several of the basic coaltar products as well as in essential industrial chemicals has made it difficult to increase output of intermediates and affiliated products. Stocks of hydrogenated solvents have gradually become tighter since the turn of the year. Production has been kept down by the short stocks that have developed in benzol, phenol and toluol.

Steel operations for the week beginning February 10 were scheduled at 93.7 percent of ingot capacity, compared with 92.7 percent in the preceding week, according to the American Iron and Steel Institute. A month ago, the indicated rate was 91.8 percent. The present schedule is equivalent to the production of 1,639,700 net tons of ingots and castings, compared with 1,633,700 tons for the previous week and 96,900 tons for the corresponding week in 1946.

Market Trends

Prices Advanced

Toluol, in drums, carlots and tankcars, 1c. per gal.
Xylol, in drums, carlots and tankcars, 1c. per gal.

Prices Reduced

Cresol U.S.P. ½c. per lb. in tanks and drums in carlots.

Comparative Price Indexes

(100=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year.
131.8	131.7	131.7	127.3

(For Current Prices see Page 9)

Basic Products

Benzol—Market conditions remained firm and rather tight last week. Inquiry was active and inclined to increase with stocks inadequate to cover all demand in full. Buying interest in nitration and industrial pure was sustained at an unusually high level. Shipments have experienced some delay owing to the shortage of tankcars. Export demand was active with business restricted by the shortage of supplies. No price changes were announced.

Coaltar—Heavy consuming demand has continued to overtop production and the market holds the same tight position recently noted. Shipments are moving as rapidly as transportation facilities will permit. The market position is firm but without revealing any additional price changes.

Cresol—Price shading of the U.S.P. grade was noted in some producing quarters. The market was quoted at 12½c. per pound for tankcars, 13¼s. for drums in carlots and 13¾c. per pound for smaller quantities, works.

Creosote Oil—Supply situation has remained tight under an active demand which is expected to increase with the arrival of Spring weather. The cutback production in England has dimmed the possibility of importing material from that source. Prices are firmly maintained at the lately advanced selling levels.

London (Comtelburo) Feb. 12.—While the United States had recently purchased creosote oil at 175 shillings per ton, f.o.b. in bulk, it is now reported that any creosote available for the United States is commanding 200 shillings.

Cresylic Acid—No improvement could be noted in buying conditions. Consuming demand for tricresylphosphate and synthetic resins has remained exceedingly heavy and has exceeded current production. Importations last week dropped to 100 drums from Glasgow and Liverpool with the outlook not encouraging for further stock arrivals from British producers.

Naphthalene — Phthalic anhydride producers are asking for more crude naphthalene than can be produced at present. All the material available is being shipped to the consuming trades and the market has maintained a definitely tight supply condition. There is also a heavy demand for the refined grades and while there have been no price changes in either variety the overall market shows a decidedly firm undertone.

Phenol—Production has remained heavily sold on contract to the consuming industries and the current movement is confined to channels leading to these sources. The steady

Coaltar Chemicals Output: 1946

Production and sales of coal chemicals at the end of 1946 as compared with 1945 were estimated in a preliminary report issued by the Bureau of Mines, last week, as follows:—

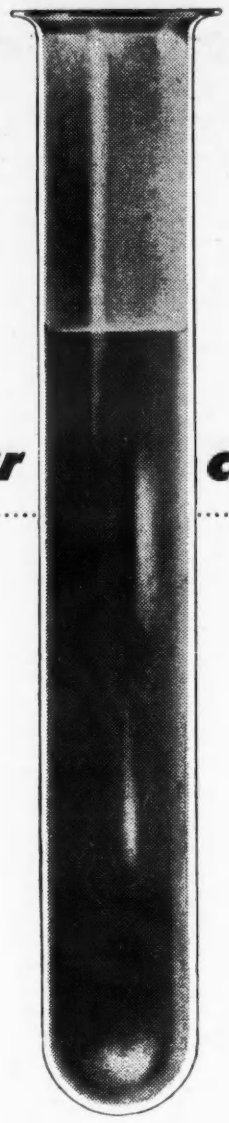
	Production		Sales	
	Preliminary total 1946	Total 1945	Preliminary total 1946	Total 1945
Ammonium sulphate.....lbs.	1,287,527,553	1,528,585,300	1,280,649,822	1,602,123,800
Ammonia liquor (NH_3 content).....lbs.	49,993,582	55,213,100	46,830,879	51,439,100
Solidifying at less than 70° C.....lbs.	10,476,632	*	10,894,987	*
At 70° and less than 79° C.....lbs.	60,419,640	*	60,114,016	*
At 79° and less than 79° C.....lbs.	60,419,040	.....	60,114,016	.....
Total .....lbs.	70,896,672	87,677,300	71,009,003	86,936,500
Benzol—				
Motor .....gals.	29,724,795	28,788,100	31,588,793	26,044,400
Nitration (1°).....gals.	35,135,751	39,166,500	51,828,627	51,406,100
Industrial pure (2°).....gals.	70,471,065	86,237,300	52,743,159	69,617,000
All other grades.....gals.	2,268,981	1,266,700	2,147,219	1,197,700
Toluol—				
Nitration (1°).....gals.	12,856,522	23,355,400	11,580,915	21,905,100
Industrial pure (2°).....gals.	2,872,030	2,219,700	2,921,277	2,043,400
All other grades.....gals.	1,237,961	1,494,200	1,039,900	1,031,700
Xylol—				
All grades.....gals.	5,968,492	7,504,100	5,855,752	7,481,000
Solvent naphtha—				
Refined light solvent.....gals.	420,929 }		216,905 }	
Crude heavy solvent.....gals.	3,494,179 }	4,802,700	3,300,599 }	4,627,700
Pyridine—				
Refined .....gals.	95,343	105,900	107,856	95,700
Crude, dry basis.....gals.	281,068	480,700	320,888	429,900
Coaltar—				
Crude .....gals.	596,962,474	696,300,900	357,193,099	410,499,300
Creosote oil.....gals.	29,773,485	36,831,000	29,306,295	34,933,300

* Not comparable with 1946 because of change in melting point ranges.

For Late Market Developments, See Page 4

KOPPERS

coal-tar chemicals



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OPD—2-17-1947 43

absorption of output has kept the open market practically bare of supplies and there is no indication of easement in sight at present.

Pyridin—Stocks generally tight with the exception of the denaturing grade. Active buying interest for the pharmaceutical grades has kept these varieties at an exceedingly low level.

Toluol—Higher prices have been established for industrial toluol in the eastern area. While some contracts were made covering the first quarter at 22c. per gallon, suppliers refused to shade 23c. for additional tankcars. Drums were also higher with 28c. per gallon, the lowest price named for carlots. The upward revision was attributed to the constantly mounting costs experienced in production.

Xylol—An advance in the selling schedule has been made for shipments in the eastern area. The lowest price heard for tankcars was 23c., an advance of one cent over the former selling figure. Drums were also up one cent per gallon at 28c. for carlot shipments. Increased costs of producing this material were given as the primary reason for the upward revision.

Hydrogenated Solvents

Buying conditions have continued relatively tight in this market. Difficulty in securing basic materials has allowed demand to increase more rapidly than production. Cyclohexane appeared to be in fair balance with inquiries from the rubber, lacquer and other consuming industries receiving fairly prompt consideration. Based with benzol, output has been of better dimensions than cyclohexanol, which has a phenol base. The stringency in the latter product has continued for several months and at present shows no indication of relaxing.

Coaltar Acids

Cleve's—Prices were firmly sustained for the different grades of this acid. Contract consumers are receiving shipments in sufficient quantities to keep the supply situation tight. Mixed Cleve's acid was quoted on the basis of 60c. per pound works.

Fumaric—Current production has moved steadily into regular consuming channels with demand exceeding the available supply. It was stated that the bulk of shipments has been channeled to the synthetic resin industry.

Gamma—Not in free supply but reported to be meeting the essential requirements of regular dyestuff consumers. Prices fully sustained at former selling levels.

H—Production better than noted in last quarter of 1946 with the movement confined to domestic consumers. Price position firm. J acid was quoted at $2 per pound and L acid at 75c. per pound, all prices f.o.b. the works.

Maleic—Stocks have continued short with production insufficient to meet demand promptly. Demand for protective coatings and synthetic resins has been sustained at an unusually high level.

Picric—Technical has remained firm at the former selling basis. Stocks are not free but appeared to be meeting current requirements on a fairly prompt basis. U.S.P. was quoted at 40c. per pound works.

Sulphanilic—Market continued firm on the basis of 17c. a pound works. Stocks limited with shipments channeled chiefly to regular consumers.

Other Intermediates

Anilin—Production has permitted a wider distribution of this intermediate. An active miscellaneous demand is reported and output has moved rapidly enough to keep available

Coke By-Products

Estimates of by-product coke-oven operations in the week ended February 7 indicate the following output of by-products from that source:—

Ammonia liquor NH_3	lbs.	1,110,313
Ammonia sulphate	lbs.	28,751,250
Benzol	gals.	3,623,125
Coaltar	gals.	13,440,625
Creosote oil	gals.	748,000
Naphthalene, crude	lbs.	1,776,500
Phenol	lbs.	210,375
Toluol	gals.	724,625
Xylol	gals.	163,625

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stocks low and hold the market's undertone firm.

Dinitrotoluene — Conditions firmer under higher prices for basic product. Stocks limited with demand showing a tendency to expand. The mixture in drums was held at 8c. per pound and oil at .05c. per pound. Refined was quoted at 18c. per pound, all prices f.o.b. the works.

Diphenyl — Market position tight with production down on account of stringency in basic material. Movement quiet with prices firm.

Diphenylamine — Supplies limited with output moving against contract accounts. Suppliers named 25c. per pound works for shipments, freight allowed East of the Mississippi River.

G-Salt—Continued to command attention from dyestuff users. Rapid absorption of output has prevented stocks from increasing.

Soda Metanilate—Firm at the former selling level. Demand sufficient to keep available stocks at a relatively low level. Shortage of basic materials has curbed output.

Coaltar Colors

Continued shortages of essential chemicals and intermediates have been instrumental in keeping the production of dyestuffs down. The overall supply situation is described as tight with inquiry active for home and export. The price structure of the general market is decidedly firm as production costs have mounted for labor and materials. According to the Textile Color Card Association, cool misty pastels are presented as a subtle Winter theme in the woolen collection for the Fall of 1947. Included in this classification are iced peach, vapor blue, snowy pink, mauve glaze, frappe lime, golden snow, crystal aqua and frost white. In describing the new color trends, it is said that the hazy frosted character of these softened pastels rendered them especially interesting as a sophisticated color motive for dresses to complement darker fur coat shades. The icetones also have high appeal, as a lighter color range for southern wear and for smart knitwear fashions.

Potash Deliveries In July-Sept.: 1946

The five major American potash producers delivered 394,566 short tons of potash salts, equivalent to 216,073 tons of K_2O, in the third quarter of 1946, according to the American Potash Institute. Deliveries in short tons of K_2O to the United States, Canada, Cuba, Hawaii and Puerto Rico during July-September, 1946, compared with the deliveries in the same period of 1945, were as follows:—

	1946	1945
Muriate	169,781	162,538
Manure salts	6,349	5,299
Sulphate and sul. pot. mag.	19,511	14,027
Total agricultural	195,641	181,864
Chemical	19,968	20,227
Other export	465	1,904
Grand total	216,074	203,995

Mexico Fertilizer Plant In Operation This Month

The fertilizer plant under construction by Guanos y Fertilizantes de Mexico, S. A., at San Luis Potosi, Mexico, is scheduled for completion in February. It will produce 50 metric tons of superphosphate per eight-hour day, according to the Department of Commerce.

Owens-Illinois Votes To Purchase Firm

Shareholders of American Coating Mills, Inc., will meet February 24 to vote on a plan whereby the company's business would be acquired by Owens-Illinois Glass Company, Toledo, Ohio. Directors of the glass company already have approved the move.

Sulphur Output Up in 1946

Output of native sulphur increased steadily in the latter part of 1946, according to the Bureau of Mines, and the year's total exceeded that for 1945 by almost 3 percent. Mine shipments were 6.3 percent larger, and producers' stocks were reduced almost 6 percent.

The tonnage data for the two years are given as follows:—

	Long tons	
	1946	1945
Production	3,859,642	3,753,188
Mine shipments	4,128,211	3,833,292
Apparent sales	4,094,191	3,849,591
Producers' stocks	3,769,368	4,003,917

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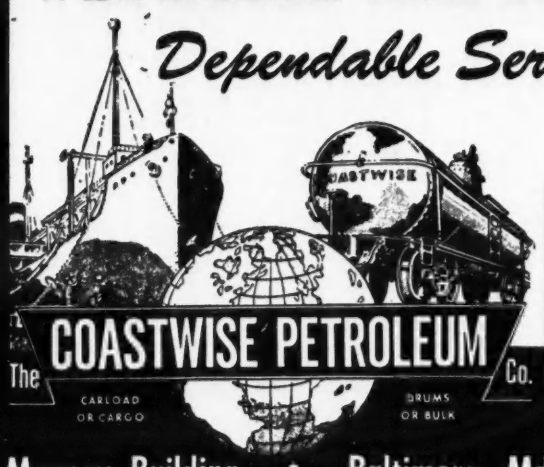

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Agricultural Chemicals

Inquiry was active for fertilizer chemicals while short stocks curbed the extent of additional business. Buyers desired prompt shipments with most producers not in a position to consider new orders at present. Ammonia nitrate, ammonia sulphate, potash and superphosphate along with nitrate of soda commanded the most attention and the supply condition of each market was definitely tight. The house fertilizer committee may break down the shortage of ammonia nitrate if the War Department complies with instructions to return the borrowed 110,000 tons immediately. Importations of nitrate of soda are improving with favorable possibilities of further expansion in the near future but it is said to be questionable if total allocations of 555,000 tons of Chilean nitrate can reach here in time to be used on the coming crop. Potash production has been absorbed so rapidly that no resales have reached the open market. Superphosphate output has not increased in the same proportion as demand probably because there has not been enough boxcars to move sufficient phosphate rock to acidulators.

The five major American producers of potash delivered a total of 394,566 short tons of potash salts for domestic use and exports during the third quarter of 1946, according to the American Potash Institute. This was equivalent to 216,073 tons of K_2O. During the first nine months of 1946, total deliveries aggregated 1,249,273 tons of potash salts, equal to 694,876 tons of K_2O, an increase of 4.6 percent in sales and 7.3 percent in K_2O over the corresponding period of 1945, the institute reported.

Exports of fertilizers and fertilizer materials for November, 1946, totaled 91,000 short tons with a value of $1,367,000, according to NFA. Records indicate that November exports were lower in tonnage than for any other month of 1946 except September and lower in value than for any month except October. November exports were 29 percent lower, on a tonnage basis, than for a year ago but were 8 percent higher than for November, 1944. November totals were lower than those for October chiefly because of a marked decrease in the amount of land pebble rock shipped out.

Nitrogenates

Ammonia Nitrate—Fertilizer investigating committee of the house agricultural committee has informed the War Department that it should immediately return the 110,000 tons of ammonia nitrate borrowed from producers and that future army exports for use in occupied areas be confined to fertilizer produced in army-sponsored plants.

Ammonia Sulphate—No price change was reported in the local market regardless of trade reports of higher quotations in Alabama. Consuming demand continued exceedingly heavy with shipments behind domestic requirements. Export inquiry has been mounting and is unsatisfied because of insufficient stocks.

Bone Meal—Buying interest increased slightly during the past week. Some sales were reported to feeders on the basis of $70.00 per ton for the steamed grade f.o.b. eastern works.

Castor Pomace—Importations of castor beans were heavy during the past week. The total was over 60,000 bags. No additional offerings of castor pomace reached the market and the movement was confined to shipments against existing contracts.

Dried Blood—Occasional sales were reported at $8.50 per unit ton to the feed trade. Demand was not very active with sellers not inclined to force business. Importations of 2,000 bags were noted from South America.

Fish Meal—Light trading on the basis of $135.00 per ton was reported. Demand and offerings were both limited.

Hoof Meal—Sales were light with some business placed at $8.00 to $8.50 per unit ton, the latter price predominating at the close.

Soda Nitrate—While importations are expected to increase during the next few months, it is said to be doubtful if all the Chilean nitrate allocated will arrive in time to meet crop requirements. The total allocation is about 555,000 tons. At present there is more demand than supply with the market situation definitely tight.

Tankage—Prices were down 50c. per unit ton in the local market with sales at $7.50. Importations were unusually heavy from South America amounting to 11,423 bags.

Phosphates

Phosphate Rock—Acidulators continued to call for increased shipments of phosphate rock. Transportation facilities have been insufficient to move material promptly and serious delays in deliveries have been experienced.

Production of phosphate rock in Algeria in 1946 was about 500,000 metric tons, of which approximately 400,000 will be exported. In 1945, 400,000 tons were produced and 326,000 exported.

Superphosphate — Production of normal superphosphate was slightly higher for the year ending December 31 than in the preceding year. It is stated that the extent of consuming demand was considerably larger. This would account for the market's tight condition over the greater part of 1946. Boxcar shortage has interfered with the movement of Florida phosphate rock and checked progress in expanding output of superphosphate.

Potashes

More demand than supply at present. All the muriate of potash possible is being shipped against contracts but mixers want more. The market position holds definitely tight and it is stated that practically no resale stock is reaching the market through second hands. The total absence of cottonseed hull ash has brought out demand for calcined carbonate of potash for tobacco plantations. As this demand is thought to be temporary suppliers of carbonate of potash are not inclined to sell the fertilizer trade at the expense of their regular contract accounts.

Markets at Other Centers

Chicago—Inquiry was active for most grades of fertilizer materials. Movement of representative stocks was reported fair. Blood was strong and active. Tankage remained subject to good interest. Bone materials held their own. Dried blood, principal grade, was quoted at $8 to $8.50 per unit of ammonia. Tankage, feeding grade, $7.50 to $8 per unit; liquid stick, tankcars, $3.50 to $4; hoof meal, $9 to $9.50. Bone materials—Ground, steamed bone, 3 and 50 percent, $50 to $60 per ton; cattle jaws, skulls and knuckles, $75 to $80; dry, rendered tankage, hard pressed, $1.40 to $1.50; 50 percent meat and bone scrap, $85 to $90 per ton.

Insecticides

Lower prices have been established for hexaethyl tetraphosphate. Some producers name 80c. per pound for drums in carlots and 90c. to $1.00 per pound for smaller quantities at the works. Prices for natural cryolite to dealers have been revised upward. The market is quoted at 12¾c. for carlots and at 14c. per pound for less, both f.o.b. the works. Persistent buying of copper sulphate continued to feature the market, Aroostook County in Maine lending momentum to the current buying movement. Supplies are insufficient to meet the demand for paradichlorobenzene, and some of the major producers are allocating material in an effort to keep distribution on an equitable basis.

Sulphur and Pyrites

Miscellaneous demand for sulphur has been maintained at a high level and the combined movement from mines has registered satisfactory dimensions. The present stockpile is adequate to meet inquiries promptly and it is up to the transportation companies to follow through.

The Spanish Government has removed the prohibition on the importation of sulphur into Spain, under an official decree. The original decree prohibiting "temporarily" further imports of sulphur into Spain was issued on April 16, 1934, and published the next day in the Gaceta de Madrid. This action was designed to increase the price of sulphur in the Spanish market, and as soon as the prices for the various types exceeded those specified in the decree the prohibition was to be suspended.

Pyrites has found a steady outlet through regular contract channels, with domestic, Canadian and Spanish all commanding attention. The market displayed the same firm tone recently noted.

Market Trends

Prices Advanced

Cryolite, natural, to dealers 2½c. per lb. in carlots.

Prices Reduced

Hexaethyl tetraphosphate 30c. per lb. in carlots.

Tankage, feed grade, 50c. per unit-ton.

Comparative Price Indexes

(100=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year.
72.3	72.3	72.3	71.8

(For Current Prices see Page 9)

SULPHUR

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For Late Market Developments, See Page 4

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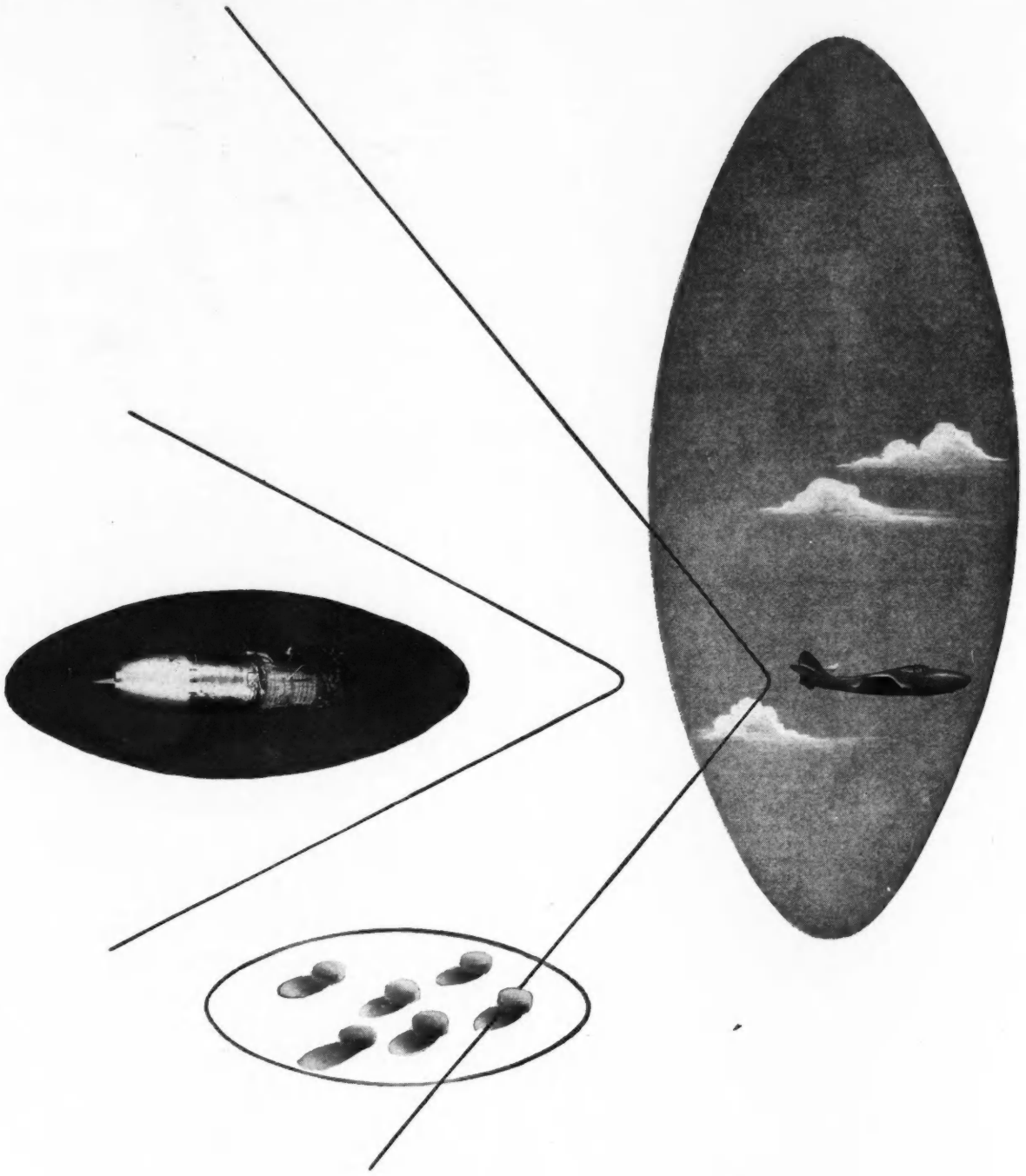

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Drugs and Fine Chemicals

Developments in the drug and fine chemical market last week included alignment of silver nitrate prices with the present quotation on silver bullion; a lowering and easing of quicksilver prices at home and abroad; strengthening of the position of bismuth and cadmium metals with similar reaction being noted in derivatives of both; the immobilization of codliver oil prices despite the relative scarcity of spot stocks but in keeping with the normality prevailing in most years when fishing gets well underway in the North Atlantic waters; and an aggravation of the never-ending troubles anent containers of all sorts. Prices in general remained basically steady to firm and they were supported by excellent demand for practically all products.

Some interest attached to the news from Indonesia. It conveyed the idea that the Dutch government and the Indonesian nationalists in the Netherlands East Indies were close enough to settling their difficulties to suggest the reasonably early resumption of exports of cinchona bark and quinine to the world. When plans for absorbing the best of native insurrectionists into the Dutch military forces actually get under way, reason exists for real hopefulness about trade in bark and quinine being resumed.

Foreign quicksilver in the hands of the United States government hangs heavy over the local quicksilver market. Something close to 72,000 flasks are involved of which 70,000 flasks are in Europe and 2,000 flasks are in Japan. This latter lot is believed definitely due for shipment to the United States. Announcement by the government of an intention to stockpile metal held abroad against future emergency needs would do much to lower the mild fever existing here at present.

The weakness in recent silver bullion prices has a tendency to curb exports of drugs and fine chemicals to silver currency countries. It has already done so substantially as concerns Mexico. And it will make more difficult the importation of needed raw materials of Mexican origin.

Market Trends

Prices Advanced

Menthol, 25c. per lb.
Alcohol, isobutyl, 5c. per lb.
propyl, normal, 15c. per lb.

Prices Reduced

Quicksilver, $1 per flask.
Silver nitrate, 7c. per oz.

Comparative Price Indexes

(100=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year.
248.5	247.7	247.7	205.8

(For Current Prices see Page 9)

Acetaldehyde — The call was as steady as current quotations on this article and they were plenty steady in the absence of much competition in any quarter.

Acetanilide — Demand was well maintained and occasionally showed a tendency to broaden as new orders came to distributors who seem to be moderately well supplied with prompt delivery goods. Prices held firm.

Acetone—Moving in high volume in an attempt to at least keep something moving to all regular customers. Prices were very firm and all producers took a relatively strong view on the spot and future position of this material.

Acid, Acetylsalicylic—Market conditions changed very little. The rising trend in recent production has afforded opportunity to reduce some of the backlog of business that developed when output dropped under the influence of labor troubles. The present market is considered to be very firm and the outlook for trade is good.

Acid, Boric—With the price position now well squared away, producers report excellent activity in providing for their contract obligations. Production was said to be in fair shape. Demand shows excellent requirements most of the time.

Acid, Camphoric — Natural camphoric acid is not being produced in normal quarters but a good supply of synthetic acid was said to be available at $6.50 to $8.50 per pound, depending on quantity.

Acid, Gallic—The movement was up to that common to the market in the recent past and the recently advanced prices proved no impediment to consumer operations. The undertone was very firm and competition seemed to be negligible.

Acid, Hydrobromic—Both medicinal and technical acid held steady in keeping with the still maintained prices on basic raw materials. Demand was only moderately active but it was sufficient to curb any tendency toawdr competitive unsettlement of prices.

Acid, Tannic—No further change in official price shedules has taken place. Since the late advance, a very firm market has been maintained by the excellent flow of new business to producers.

Aconitine—Although stocks were not excessive, they seem to meet the routine requirements current at this time. Raw material supplies have undergone some improvement of late.

Adeps Lanae—Demand was very fair but sellers continued to find the market competitive because of the well supplied reserves. Prices, however, have been steadier of late and no further declines have been reported.

Alcohol—The following data were released last week by the Alcohol Tax Unit, Bureau of Internal Revenue, and compared production, withdrawals, and stock of ethyl, completely denatured, and specially denatured alcohol in December, 1946, and 1945:—

Alcohol Data: December

	(Proof gallons) 1946	1945
Production—		
Ethyl	20,518,371	21,990,690
*Completely denatured	4,405,023	1,475,256
*Specially denatured	12,609,140	10,816,769
	(Wine gallons) 1946	1945
Withdrawals—		
Ethyl,† tax paid	3,910,320	3,022,970
tax free	31,462,295	22,882,344
*Completely denatured	4,385,416	1,475,065
*Specially denatured	13,030,865	11,267,998
Stocks—		
Ethyl†	32,799,501	127,446,760
*Completely denatured	101,716	47,942
*Specially denatured	2,098,235	18,348,226

* Wine gallons.
† Proof gallons

Ammonia Biborate—The new schedule that established prices that included changes in the cost of containers is proving a very steady affair. Demand was reported routine, but maintained at expectable volume.

Ammonia Pentaborate—Good demand has supported the higher prices made necessary by the added cost of containers and the scarcity thereof. Undertones were steady to firm in all respects, and no unusual competition was reported.

Amyl Alcohol—Stocks were less than the consumption needs of the country require. Demand was excellent, and took all production so promptly that accumulation of reserve is proving highly difficult for the producers. Prices had a strong position.

Atropine — Demand was slightly improved, but the improvement and increase in request was not more than the market could accommodate. The supply remained on the tight side, but additions to raw material supplies have tended to bring some gain in supplies.

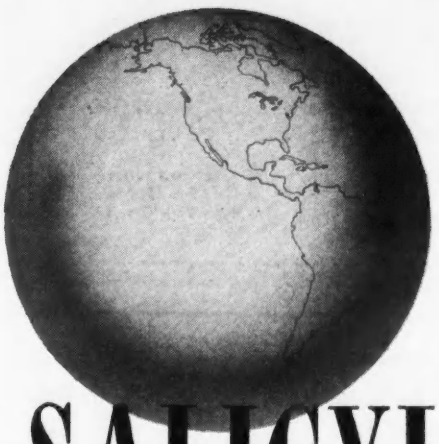
Bismuth Metal and Salts—Strong undertones governed the spot. Recovery of metal hardly keeps pace with the manufacturing requirements of those who make the salts. Prices were well supported at all points.

Butyl Acetate—In face of the high volume of demand for this material, the situation as regards drums posed additional troubles for the producers. Not only were drums scarce, but their costs tended to add to the expense of making deliveries in such containers.

Caffeine—Demand for citrated material remained in the full flow to be expected during the season of largest consumption. Undertones were firm and prices well maintained. Very good interest was shown in the not especially well supplied alkaloid, which also occupied a very firm price position.

Castor Oil—All aspects of the market continued strong. Demand cannot be completed and promptly satisfied,

For Late Market Developments, See Page 4



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but the general rise in imports of beans is working toward a better delivery position on domestic oil. Also, there is oil coming from India and more is likely to find a way here if licenses to export be granted freely to the producers in India.

Arrivals of beans last week totaled 60,536 bags, or 9,080,400 pounds. This brought the total since January 1 to 319,506 bags, or 47,925,900 pounds, which compares with 186,436 bags, or 27,965,400 pounds imported in the corresponding period of 1946.

Chicago, Feb. 12.—Ruling prices are:—Cold pressed, U.S.P., 30c. per pound, drums, less than carlots; No. 3, extracted, 29¾c.

Cerium Oxalate—Prices for N. F. material were minimum at 70c. to 72c. per pound, and the market was declared to be very firm as quoted.

Chloroform—Very firm. Demand has kept goods from accumulating in manufacturers' hands, and thus has eliminated the most potent factor in the development in possible competition on a price basis. Supplies were said to cope with demand in satisfactory fashion.

Cinchona Derivatives—Conditions in Java have prevented resumption of major production of all cinchona bark derivatives, and although those adverse conditions are moving toward solution of the politics involved, it is not clear that normal times are soon to return either to the bark market in Java or to the quinine factories in either Holland or Batavia. It is still necessary to allocate the not plentiful supplies of derivatives obtained from bark imported from Central America.

Codliver Oil—Winter demand holds at high levels. Consumption has been excellent and has accounted for practically every gallon of oil available in this country. However, the importing trade now has its attention centered on the new producing seasons and its prospects. The Norwegian government's idea on price is $2.30 per gallon, c.i.f. Fishing is now well developed in North Atlantic waters, and the first statistical returns will be awaited with much interest.

Corn Syrup—With plentiful supplies of corn at hand, the domestic producers of this article find production more and more tending toward sufficiency in meeting the major part of consumer demand. Argentine syrup is finding the going far less easy than it was not too long back.

Creosote—All forms moved well. Although many distributors seem to have protected the builk of their Winter requirements, a fair flow of new business is reaching the producers, and that keeps prices to a firm, noncompetitive position.

Fishliver Oils—Supply copes with demand in fine fashion, but the price position was considered to be one of substantial strength because of the relatively high cost of production and importation of both oil and its raw materials. During the past week, 157 drums of sharkliver oil reached here from Montevideo, Uruguay. Also, 17 drums of shark livers from Buenos Aires, Argentina.

Glycerin—According to the most recent production and consumption report of the Bureau of Census, a report dealing with domestic operations, production of chemically pure glycerin exceeded consumption by the narrow margin of 241,000 pounds. Crude glycerin production was 128,000 pounds less than consumption. High gravity and yellow distilled production exceeded consumption by 1,953,000 pounds.

These figures were for operations in December, 1946, and, of course, probably do not include all of the operations that were based on glycerin imported from abroad. Large quantities have come from South America, Australia, Africa and other points. Some was refined glycerin brought in for the account of manufacturing consumers. Others—possibly most of them—were crude glycerin imported by a consumer who had it custom refined on arrival in this country. It is not certain that all of these means of securing different kinds of glycerin are included in the Bureau of Census data.

Chicago, Feb. 12.—Ruling prices on glycerin are, for both chemically pure and high gravity, 55c. per pound, tank-

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car; 55¼c., drums, carlots; 55¾c., drums, less than carlots.

Iodine and Iodides—Crude iodine was firm at the late advance in prices, and its movement into consumption was in a volume indicative of an exceptional consumption of iodides in general, and particularly as regards potash iodide. The market was stabilized at firm prices.

Isobutyl Alcohol—Prices were advanced to the basis of 12c. per pound in tanks and 15c. in drums.

Lecithin—Demand was good. In fact, it tended toward expansion sufficient to keep prices displaying marked strength and inclined to seek higher levels unless production costs shall be stabilized.

Magnesia—Fully firm at the late readjustment of prices and delivery geography. Calcined material was particularly firm under the influence of an exceptionally steady withdrawal for the account of manufacturing consumers.

Menthol—Considering the international situation, spot prices were exceptionally active last week, and prices rose to $7.25 to $7.50 to reflect changes in Brazilian replacement costs. Demand at the moment was not especially active. For the most part, quantity commitments were being withheld from the Brazilian market until production and prices shall have been more definitely disclosed. This year, Japanese menthol will likely encounter competition from menthol produced in Japan and China—which should affect the price structure, ultimately.

Methyl Acetone — Pricewise, synthetic material dominated that of natural production so far as price advantage was concerned; it was far the cheaper article. But, according to some, in the matter of prompt delivery supplies, natural material was in better situation, and the prices asked for that article were exceptionally firm and well maintained.

Methylethyl Ketone—When bought in tankcar lots, no price competition was noted. But when deliveries were taken in drums, a difference of 4-10c. was noted between minimum and maximum prices asked according to producer.

Milk Powder—Purchases made by Production and Marketing Administration of the Department of Agriculture during the period July-December, 1946, were as follows:—Skimmed milk powder, roller process, 45,614,076 pounds; spray process, 52,792,242 pounds; whole milk 3,024,573 pounds.

Propyl Alcohol—The market was higher at 75c. per pound in tanks and 82c. in drums.

Quicksilver—The market has eased on spot and quotations were at least as low as $87 per flask with suggestions of further shading being not absent in local circles. According to report, European sellers were quoting $86 per flask or thereabout on a duty paid basis, New York. Some 2,000 flasks are said to be due to arrive from Japan, consigned to a government agency. Some 70,000 flasks were said to be held by our government in Germany. These substantial quantities have changed the ideas of the European cartel what not so long ago had price views that did not hesitate to mention $100 per flask, New York.

San Francisco, Feb. 12.—The quicksilver market this week was steady, but supplies were short. Metal was being quoted between $87 and $88 per flask, f.o.b. San Francisco.

Saccharin — Foreign sellers continued to offer better than fair quantities to the United States and seemed anxiously to be seeking buyers. News of the resale prices that some domestic sellers have received has apparently reached the foreign markets.

Silver Nitrate.—Prices at last reflect silver bullion at its present price of 70¾c. per pound. In quantities of 2,500 ounces or more, the price is now 46¾c. per ounce for nitrate; 1,000-ounce lots, 47c.; 500-ounce lots, 47¼c.; single ounces, 47¾c.

Trade Briefs

Pennsylvania Manufacturers Association has appointed Thomas P. O'Neill publicity director.

Boyle-Midway, Inc., household product division of American Home Products Corporation, will open a new $750,000 plant in Atlanta during the first week in March.

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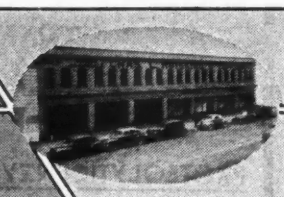

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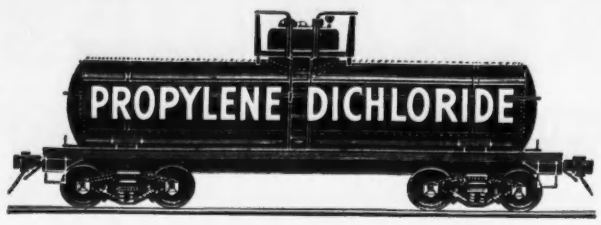

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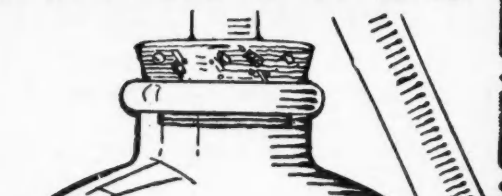

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Japanese Products Sale On Bid Basis Planned

OPD Washington Bureau

The U. S. Commercial Company, subsidiary of the Reconstruction Finance Corporation, will sell on a sealed bid basis the following Japanese products:

Agar agar, 500 bales, 100 pounds net per bale, graded by the Japanese Agar-Agar Exporter's Association as Kobe Strip No. 1 of fair average quality. Minimum bid will be for thirty bales and maximum for 150 bales.

Refined camphor tablets, 140 cases; fifty kilos per net case; minimum, twenty-five cases and maximum, 100 cases.

Refined camphor powder in bulk, 160 cases, fifty kilos net per case; minimum, twenty-five cases, maximum, 100 cases.

Japanese vegetable wax, 700 cases, each weighing 224 pounds net; minimum fifty cases, maximum, 200 cases. The wax will not be sold by brand, and the seller will deliver any available brand to the successful bidder.

Three parcels of Mono-Sodium Glutamate 99 percent (Ajinomoto Suzuki):

1. Sixty-five cases, consisting of five dozen tins per case, each tin weighing seven ounces; minimum and maximum, sixty-five cases.

2. One hundred and twenty-two cases, consisting of three dozen tins per case, each tin weighing fourteen ounces; minimum and maximum, 122 cases.

3. Three hundred and seventy cases, consisting of ten tins per case, each tin weighing five pounds; minimum, fifty cases and maximum, 150 cases.

These products are afloat and due to arrive in New York about March 1. Bids must be received on or before noon, February 20.

F.D.A. Violations

—Continued from page 7

to physicians but sold to laymen without prescriptions.

The percentage of retail druggists who violate the prescription regulations is small, states the report. The health of the consumer was seriously jeopardized in the cases brought to Federal court. In the only one contested, it said, the druggist claimed that the sulfathiazole he sold was no longer in interstate commerce, but the court upheld the government's charge that the Federal law had been violated.

New Drugs Totaled 114

New drugs cleared for distribution during the year numbered 114, among them some products resulting from medical research for the armed forces, with information concerning their usefulness and safety made available after the end of hostilities. In addition, the report stated, increased facilities for research and production have resulted in many other worth-while additions in our weapons to combat disease. Before a new drug may be placed on the market, the manufacturer must show that he has made adequate investigations concerning its safety and is prepared to maintain adequate control over its production.

Predistribution testing of penicillin, which was the Food and Drug Administration's responsibility under wartime controls, continued under the penicillin amendment to the Food, Drug and Cosmetic Act. During the first ten months of penicillin certification, nearly 4,000 lots were tested and less than 2 percent was refused certification. Most of the rejected lots were low in potency, although some were rejected because of impurities. During the fiscal year 1946, penicillin production rose from 617 to 2,100 billion units, the report disclosed.

In discussing the cosmetic situation, the FDA reported that a majority of the cosmetics seized contained illegal coaltar colors on which certification was not permitted because of their dangerous properties. They included wave sets, an ingredient for use in creams, and a hair dressing. Two criminal prosecution actions were instituted against firms and individuals who used uncertified colors. In another dangerous cosmetic case, a shipper of shampoo containing excess alkali, which had resulted in a number of injuries, was tried in Federal court and fined $1,000.

Total seizures of foods, drugs, cosmetics and caustic poisons in the fiscal year 1946 were 2,835. There were 350 criminal prosecutions brought against concerns charged with having made 1,133 violative shipments. The courts were requested to grant thirty-six injunctions to restrain further violations. Fines totaling $166,746 were imposed by the courts in criminal cases terminated in 1946. In fifty-one cases fines were $1,000 or more. Jail sentences were imposed upon fourteen individuals, of which five were suspended and nine actually served.

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Foreign Trade Council Elects New Directors

The National Foreign Trade Council has announced the election of directors for a two-year term. Among those elected were M. W. Bowen, Socony-Vacuum Oil Company, New York; Reginald F. Chutter, Sharp & Dohme, Inc., Philadelphia; W. J. B. Dixon, The Texas Company, New York; John L. Gillis, Monsanto Chemical Company, St. Louis; H. L. Schultz, Standard Vacuum Oil Company, New York.

Directors whose terms have not expired include L. C. Boos, United States Rubber Export Company, New York; A. G. Cameron, Goodyear Tire & Rubber Export Company; James A. Farley, Coca-Cola Export Corporation; E. F. Johnson, Standard Oil Company (New Jersey), New York; A. E. Mallon, Pillsbury Mills, Inc., Minneapolis; W. H. Stanley, William Wrigley jr. Company, Chicago; A. Stuber, Eastman Kodak Company, Rochester, N. Y.; Wendell R. Swint, E. I. du Pont de Nemours & Co., Wilmington, Del.; A. E. Thayer, California Texas Oil Company, New York, and R. W. Woodruff, Coca-Cola Company, Wilmington, Del.

I.G. Farben Officials Face War Crimes Trial

Approximately fifty officials of five great German industrial enterprises, including I. G. Farbenindustrie, will be tried in American courts at Nuerenberg this year on charges of paving the way for Hitler's rise to power. Brigadier General Telford Taylor, chief United States war-crimes prosecutor, said the French are lending a staff to assist the Americans in the preparation of the Farben case.

Eli Lilly Makes Ten Staff Changes

A. H. Fiske, vice-president in charge of research and control for Eli Lilly & Co., manufacturer of pharmaceuticals, Indianapolis, announces the appointment of H. W. Rhodehamel as executive director of the company, and Dr. E. C. Kleiderer as assistant executive director.

The company also has named G. B. Walden as director of the biochemical division; H. A. Shonle, director of the organic chemistry division; Dr. K. K. Chen, director of pharmacology division; W. A. Jamieson, director of biological division; Dr. R. M. Rice, director of medical division; W. J. Rice, director of chemical control division; Dr. F. B. Peck, associate director of medical division, and Dr. H. A. Dettwiler, assistant director of the biological division in charge of production.

Pa. Salt Assigns Tomlinson to Easton

Ritner W. Tomlinson has been appointed superintendent of the Easton, Pa., plant of the Pennsylvania Salt Manufacturing Company, Philadelphia. Previously he was superintendent of the company's plant at Cornwells Heights, Pa., and the Greenwich plant in Philadelphia.

Clukas Named Editor Of Rexall 'Ad-Vantages'

Irving G. Clukas, assistant editor of the Rexall Drug Company's magazine, "Ad-Vantages," has been named editor to succeed Walter J. Willson, who retired at the beginning of 1947, it was announced by Thomas H. Lane, director of Rexall sales promotion and advertising.

Trade Briefs

Norwich Pharmacal Company, Norwich, N. Y., has appointed Knox Ide as general counsel for the firm.

Apollo Chemical Company, New York, has filed a certificate of voluntary dissolution.

Frances J. Ross, formerly with National Starch Product Company, has been appointed director of personnel for Marlon Confections Corporation.

United States Rubber Company has completed its plans for marketing its newest product in the drug sundry field, an all cotton elastic bandage.

OPD—2-17-1947 51

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- SILVER NITRATE USP
- SODIUM BARBITAL USP
- SODIUM BROMIDE USP
- SODIUM IODIDE USP
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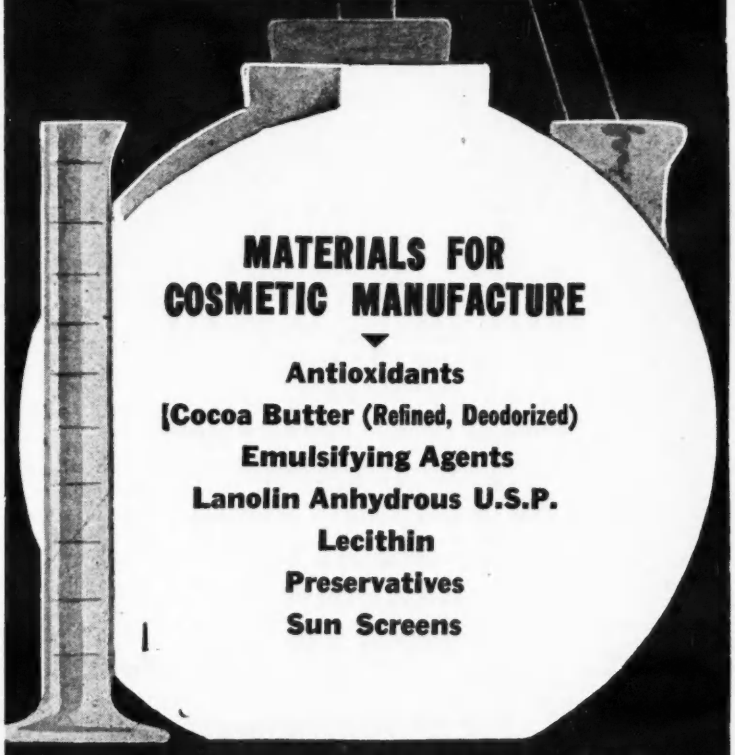

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Imports Do Not Need Consular Certification

OPD Washington Bureau

Consular certification that the shipment is properly licensed will no longer be required on imports, except imports of items listed on Imports Order M-63 and War Foods Order 63, the Civilian Production Administration and the Department of Agriculture has announced jointly.

M-63, administered by CPA, now provides import limitations only on agave fibers, maguey or cantala, molasses and sugar syrup, sisal and henequen, and tin. WFO-63, administered by the Department of Agriculture, lists a much larger number of food and agricultural items.

It was explained that for commodities listed in either order a special certificate would be required including the number of the import authorization which has been granted. This should accompany each consular invoice.

ACS Iowa Section Elects Casey Chairman

Robert S. Casey, director of research for the W. A. Sheaffer Pen Company, Fort Madison, Iowa, has been elected chairman of the Iowa section of the American Chemical Society. He succeeds Dr. Robert M. Featherstone of the school of medicine of the University of Iowa.

Dr. Lothrop Smith, of the chemistry department of the university, was elected vice-chairman, and Dr. Stanley Wawzonek, also of the school, was reelected secretary-treasurer.

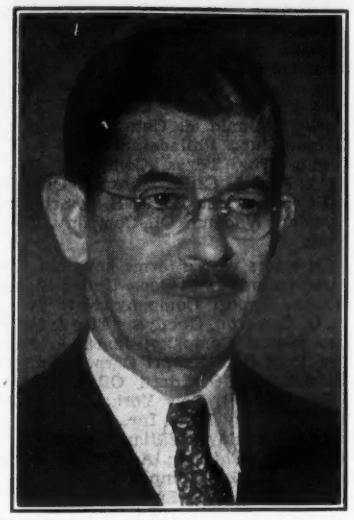
Mr. Casey joined the pen company as a chemist in 1919, and became manager of the 'Skrip' factory in 1924, where he developed the writing fluid and production methods. In 1936 he was made manager of the research laboratory and in 1943 director of research.

Customs Bureau Eases Tariff Regulations

Regulations of the Bureau of Customs governing the opening of packages for tariff appraisals have been modified to permit the examination of only one package of each invoice covering imports of distilled or essential oils and perfumery when the appraisers feel that this is all that will be necessary.

This liberaliztion of the regulations is limited, however, to merchandise imported in packages in which the contents and values are uniform or to packages the contents of which are identical as to character, although differing as to quantity and value per package.

With Manila Drug Firm



Frank A. Delgado, formerly with the Foreign Liquidation Commission in Washington, is now assistant general manager of the Philippine American Drug Company, Manila. He formerly was assistant to T. W. Delahanty, chief of the drugs and pharmaceuticals unit of the Bureau of Foreign and Domestic Commerce.

Trade Briefs

New York State Board of Mediation has moved its New York City office to larger quarters at 270 Broadway.

John Powell & Co., manufacturer of basic insecticides, has issued a catalog, "Improved Pyrin No. 20," which is available upon request to the company.

Gustave A. Jaeger has joined Bristol-Myers Company, pharmaceuticals manufacturer, New York, as special financial assistant to the president. For the past fifteen years he has been an assistant vice-president with the Irving Trust Company.

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German Export Sales Directed by Remington

Horace Remington, formerly vice-president of the Colgate-Palmolive-Peet Company, Jersey City, N. J., has been appointed director of export sales on the staff of Lt. Gen. Lucius D. Clay, the United States Deputy Military Governor of Germany. He has already left for Berlin to take up his new duties.

Mr. Remington retired in 1943 from Colgate-Palmolive-Peet, with which company he had served in an exports capacity for many years. In Germany he will be responsible for the negotiation of export sales of German products in foreign markets, involving the preparation of offers for those commodities available for export and their being offered to interested buyers abroad through foreign government agencies.

Much of the policy governing present and future trade between the merged zones and other countries is expected to center in Mr. Remington's direction of an excelerated export program.

Pacific Chemical Exposition Oct. 21-25

The Pacific Chemical Exposition, scheduled for the San Francisco Auditorium on October 21-25, 1947, has sold over 40 percent of the space available within two weeks of the issuance of the floor plan, it was announced recently.

Crude Sodium Sulphate To Be Sold by USCC

OPD Washington Bureau

The Reconstruction Finance Corporation has announced that its subsidiary, the U. S. Commercial Company, will sell on a sealed bid basis 100 metric tons of crude sodium sulphate, f.o.b. ocean vessel, Bremen, and approximately 500 metric tons of Schippach Dunkelblau clay, f.o.b. vessel, German port.

The sodium sulphate, which is Na_2SO_4 technical, dehydrated in bags of 100 kilos, will have a minimum or upset price of $55 per metric ton. Requests for terms and conditions of sale should be received by the U. S. Commercial Company, Washington 25, D. C., before February 19.

Requests for terms and conditions of sale for the clay should be received by the agency prior to February 28.

Acetic Acid Plant For Sale or Lease

OPD Washington Bureau

A chemical plant equipped to produce 280,000 pounds of glacial acetic acid and 1,440,000 pounds of acetic anhydride daily is being offered by War Assets Administration for sale or lease in whole or in part. The property, located at Kingsport, Tenn., is known as "Plant A" of the Holston Ordnance Works. It occupies ninety-four acres with buildings containing 450,000 square feet of floor area.

Written proposals to buy or lease the property must be in the Nashville, Tenn., office of WAA, P. O. Box No. 1172 by 11 a.m., March 31.

Carbide & Carbon Offers Chlorine Compounds Data

Carbide & Carbon Chemicals Corporation, a unit of Union Carbide & Carbon Corporation, New York, has issued a new booklet, "Organic Chlorine Compounds," presenting the latest data on twelve chlorinated compounds industrially important as fumigants, solvents and chemical intermediates. Copies may be obtained by writing the company and asking for Form 4769.

Trade Briefs

Walter O. Birk Candy Company, Chicago, has been purchased by a group of businessmen, headed by W. Melville Cribbs. The new organization will be known as Melville Confections, Inc.

Monsanto Chemical Company, St. Louis, has called for redemption on March 25 of 64,000 shares of the company's outstanding cumulative preference stock, Series A. The redemption price will be $104.50 per share, plus $1.04 in accrued dividends.

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- MERCURY CYANIDE
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APMA Sets Program For Chicago Meeting

The American Pharmaceutical Manufacturers Association has announced the program for its Western section production meeting which will be held at the Edgewater Beach hotel, Chicago, February 22. Dr. Paul V. Maney, of the Barlow-Maney Laboratories Inc., is chairman of the sessions.

The morning session, which will begin at 9 o'clock, will include the following speakers:—Dr. Lewis E. Harris, of Modern Laboratories, "Rapid Control Tests During Manufacturing Operations"; M. A. Lauria, of Strong, Cobb & Co., "A Report on the Divergence of Methods and Lines of Authority in Pharmaceutical Manufacturing"; C. A. Halm, of Harrower Laboratory, "Preparation of Pyrogen Free Glassware"; J. H. Noyes, of Schenley Laboratories, "Penicillin Production and the Engineer," and T. H. Brown, of George A. Breon & Co., "Clarity and Sterility Problems in the Manufacture of Parenteral Solutions."

Dr. Walter Daykin, of the University of Iowa, will be the speaker at the luncheon. His subject will be "Better Labor Relations."

Papers to be read at the afternoon session include "Manufacture of Penicillin Ointments and Tablets," by Dr. W. W. Hosler, of Strong, Cobb & Co.; "Present Trends in Production Control Methods," D. C. Rhodes, Pitman-Moore Company; "New Products in the National Formulary," Louis M. Roeg, Merck & Co., and "Liquid Pharmaceutical Manufacturing," Frank L. McOmber, Abbott Laboratories.

WAA Amends Rules On Disposal of Surplus

OPD Washington Bureau

Additional criteria under which certain types of surplus property sales may be made have been issued by War Assets Administration. In amendments to Regulation 22 governing the pricing and distribution policy for consumer goods, WAA said that negotiated sales may be made:—

When surplus property remains in inventory after a full and adequate offering has been made by competitive bid; and when the disposal agency makes a written finding that the surplus is of "so special a nature or manufacture or limited use that only one or a few purchasers would be interested in the acquisition and that an offering of such property by competitive bidding would prejudice the monetary return to the government if all such bids were subsequently rejected."

Exclusive sales to one purchaser may be made "when the disposal agency makes a written finding that the property is of so special a nature or manufacture or limited use that only one or a few purchasers would be interested in the acquisition and that an offering of such property by competitive bidding would prejudice the monetary return to the government if all such bids were subsequently rejected."

Foreign Markets Listed

Lists of foreign outlets for chemicals and related materials recently compiled by the Commercial Intelligence Division of the United States Department of Commerce include the following:—

Chemicals, importers and dealers, Mexico, New Zealand.

Oils (animal, fish, and vegetable), importers, dealers, producers, refiners, and exporters, Portugal, Switzerland.

Paint and varnishes, importers and dealers, Mexico, Turkey.

Photographic supplies, dealers and photographers, Bolivia.

Copies of these trade lists are available from the compiling office. The price is $1 for a list for any one country.

Hydrofluoric Acid Data Revealed

OPD Washington Bureau

Allocations of anhydrous hydrofluoric acid from July 1, 1944, to June 30, 1945, totaled 33,050 pounds, of which 5,711 pounds was used for direct military use, and 27,339 pounds for other uses, according to the Office of Temporary Controls of the Civilian Production Administration.

Bemis Bro. Offers Bag-Making Film

The Bemis Bro. Bag Company, St. Louis, has produced a color and sound movie, "The King's Other Life," which depicts the handling of cotton from the time it is picked until it is processed and woven into bags. Companies or groups interested in viewing the 16mm film are asked to contact their nearest Bemis representative or write directly to the company.

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AMPULS AND VIALS

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Pharmaceutical Sale Rules in Argentina Set

New regulations concerning discounts, prices and terms on pharmaceutical products shipped into Argentina, together with establishment of "State Medicinal Specialties," have been provided in a decree published in Buenos Aires, January 17, 1947.

This decree, in a translation made by the Proprietary Association of America, provides for fixed percentages of profit to pharmacies and wholesalers at higher rates than generally in effect now. It provides also for absorption of freights charges by manufacturers or importers, requires showing prices on packages, calls for review of prices by the Board of Health, and sets a limitation on what can be charged to advertising.

The fifteen "State Medicinal Specialties" which must be packaged uniformly by all manufacturers are:—Synthetic estrogen; natural estrogen; analgesic, febrifuge, anti-rheumatic; gluconate of calcium to 10 percent; solution of digitallan; anti-leukocidin; insulin; protamin-zinc-insulin; hypnotic; Hepatic; Bronchial pulmonary antiseptic; vitamin C; vitamin B_1; Vitamin A and D, and Hypotensor.

The decree states that these specialties will be distinguished with the initials "EMESTA" (Especialidades Medicinales del Estado) the same as those of the Instituto Bacteriologico Malbran and the Instituto de Quimica, becoming, from the moment of being placed on sale, incorporated in the National Pharmacopoeia and it will be obligatory for all wholesale drug houses and pharmacies to keep them permanently in stock.

The National Board of Public Health will do what advertising it deems necessary for the fifteen medical specialties, which will be submitted to the General Commercial Control which is created by the present decree.

The general regulations provide that the National Board of Public Health will organize an office exclusively to attend to claims and complaints relating to the faults and infractions of the control created by this decree.

Covering all pharmaceutical products, the decree provides that in the price schedules, the manufacturers and importers must designate the price of sale to the public including the profit for the wholesalers and pharmacies which will be:—10 percent on the price to the public for wholesalers, and 25 percent on the price to the public for the pharmacies as a fixed scale.

The Board of Public Health will permit up to 15 percent of the selling prices to the public to be charged to free samples and/or advertising in general by the manufacturers or importers.

Prices of sale to the public and to the pharmacies cannot be changed, either upward or downward, by reason of quantity purchases or by the form of payment, there being prohibited as well any additional discount ("bonificacion") in money or merchandise.

Ernst Named Dean Of Scientific School

Dr. R. C. Ernst, head of the chemical engineering department and director of the Institute of Industrial Research at the University of Louisville, Louisville, Ky., has been appointed dean of the university's Speed Scientific School. He has been with the university since 1926.

Trade Briefs

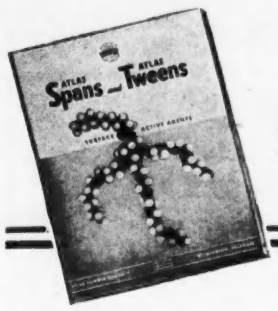
Oil & Chemical Products Inc., New York, has increased its authorized capital from $50,000 to $200,000.

Orex Chemical Corporation has been organized in New York for the manufacture of alkalis, salts and acids.

Textron Inc. has appointed W. H. Stewart director of purchases. He formerly held the same position with Pennsylvania Rubber Company.

Sharp & Dohme, pharmaceutical manufacturer, Philadelphia, will move its New York Blood Donor Center to 326-28 East Thirty-Ninth street early this spring.

Charles H. Thomas, associated with the American Home Products Corporation, New York, since 1930, has been appointed treasurer of its subsidiary, American Home Foods, Inc.



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ANGELICA ROOT—14 bls, Wm M Allison & Co, Antwerp—33 bgs, R J Prentiss & Co, Antwerp—9 bls, Atlantic Overseas, Antwerp

ANNATTO SEED—220 bgs, D Steengrafe & Co, Puna

ANTIMONY ORE—2,499 bgs, Philipp Bros, Antofagasta

ARNICA FLOWERS—5 bls, 2 bgs, National City Bank, Genoa—33 bgs, Bilbao

ARSENIC, POWDERED—80 dms, Indussa, Inc, Antwerp

ASBESTOS—500 bgs, Plant & Rubber Asbestos Works, Lourenca Marques—1,754 bgs, Keasbey & Mathison Co, Lourenca Marques—1,000 bgs, Union Asbestos & Rubber Co, Capetown

ASPHALT, MINERAL—993 bgs, G S Ziegler & Co, Havana

ASPHALT, PETROLEUM—66,776 bbls, Shell Oil Co, Inc, Curacao

BEES WAX—92 bgs, National City Bank, Havana—18 bgs, Geck Trading Corp, Havana—20 bgs, Catz American Co, Havana—91 bgs, H H Pike & Co, Rio Grande—29 bgs, Machado & Co, Sanchez—2 bgs, Curacao Trading Co, Sanchez—13 bgs, Percilla, Vicini & Co, Puerto Plata—30 bgs, Smith & Nichols, Puerto Plata—25 bgs, Machado & Co, Puerto Plata—19 bgs, Curacao Trading Co, Puerto Plata—40 bgs, Chase National Bank, Puerto Plata

BELLADONNA LEAVES—26 bgs, Bilbao—Root, 40 bls, National City Bank, Antwerp

BERGAMOT OIL—40 half cs, Dodge & Olcott Co, Messina—50 qr cs, Messina

BILE—5 cks, Ames Co, Buenos Aires

BISMUTH LEAD—8 bars, Cerro de Pasco Copper Co, Callao

BONES—3,525 bgs, International Commercial Co, Chicago, Buenos Aires—363 bgs, Armour & Co, Buenos Aires—84 bgs, International Commercial Co, Chicago, Rio Grande

CADE OIL—7 dms, Alicante

CANARY SEED—425 bgs, F H Von Damm, Buenos Aires—1,083 bgs, Stein Trading Co, Buenos Aires

CARAWAY SEED—100 bgs, Levy & Levis Co, Rotterdam—200 bgs, Louis Furth, Inc, Rotterdam

CARNAUBA WAX—105 bgs, Strahl & Pitsch, Bahia—28 bgs, Wessel, Duval & Co, Rio Janeiro

CASEIN—1,000 bgs, American British Chemical Supplies, Inc, Buenos Aires—500 bgs, J H Schroeder Banking Corp, Buenos Aires—100 bgs, E M Sargeant Pulp & Chemical Co, Buenos Aires—1,000 bgs, American Cyanamid & Chemical Corp, Buenos Aires—700 bgs, Tupman, Thurlow & Co, Buenos Aires

CASTOR BEANS—17,000 bgs, Baker Castor Oil Co, Bahia—13,000 bgs, Baker Castor Oil Co, Pernambuco—2,499 bgs, Spencer Kellogg & Sons, Pernambuco—5,400 bgs, Baker Castor Oil Co, Maceio—20,947 bgs, Baker Castor Oil Co, Santos—1,690 bgs, Brown Oil & Chemical Corp, Santos—712 bgs, Baker Castor Oil Co, Puerto Prince

CERAMIC COLORS—5 cs, A W Fenton Co, Cleveland, Liverpool—1 cs, Croxall Chemical & Supply Co, Cleveland, Liverpool

CETYL ALCOHOL—40 cs, Orbis Products Corp, Liverpool

CHALK, CRUDE—500 bgs, Taintor Trading Co, London—precipitated, 600 bgs, H J Baker & Bro, Liverpool—700 bgs, C B Chrystal & Co, Antwerp

CHILLIES—46 bgs, Tice & Lynch, Puerto Prince—75 bgs, Knickerbocker Mills Co, Puerto Prince

CHROME ORE—1,501 tons, 10 cwt, E J Lavino & Co, Lourenco Marques

CINNAMON—40 bls, Volkart Bros, Colombo

CITRONELLA OIL—6 dms, Dodge & Olcott Co, Puerto Barrios—3 dms, Brown Bros-Harriman Co, Puerto Barrios

CODLIVER OIL—15 dms, Scandinavian Oil Co, Copenhagen—16 bbls, 34 dms, Paul W Fricke Corp, Copenhagen—260 dms, Peder Devold Oil Co, Reykjavik—260 dms, E R Squibb & Sons, Reykjavik

COLCHICUM SEED—1 bg, Inland Alkaloid Co, Tipton, London

CONDURANGO BARK—103 bgs, Duncan Fox & Co, Paita

COPAL GUM—198 bgs, American Cyanamid & Chemical Corp, Manila—72 bgs, O G Innes Corp, Manila—60 bgs, G H Lincks, Manila—70 bgs, France, Campbell & Darling, Manila—1,368 bgs, Trade Commissioner, Macassar

CORIANDER SEED — 2,000 bgs, Louis Furth, Inc, Buenos Aires

CORNSILK—68 bls, J L Hopkins & Co, Genoa

CRESYLIC ACID—50 dms, Republic Chemical Co, Glasgow—50 dms, Glasgow—174 dms, Durez Plastics & Chemical Ltd, North Tonawanda, Liverpool—80 dms, American British Chemical Supplies, Inc, Liverpool—100 dms, American Cyanamid & Chemical Corp, Liverpool—516 dms, Monsanto Chemical Co, St Louis, Liverpool—202 dms, Liverpool

CROCIDOLITE—240 cs, Central Hanover Bank, Durban

CUMIN SEED—9 bgs, Kennedy, Butcher & Co, Istanbul

CYANIDE, PRECIPITATED—9 cs, Irvington Smelting & Refining Co, Puna

CYMBARIUM OIL—10 dms, Orbis Products Corp, Santos

DAMMAR GUM—3 cs, P H Simpson & Co, Tandjong Priok—260 bgs, Trade Commissioner, Macassar

DANDELION ROOT—245 bgs, S B Penick & Co, Rotterdam—12 bgs, Peek & Velsor, Rotterdam

DEXTRIN—200 bgs, Federal Adhesive Co, Rotterdam

DYES, ANILIN—2 dms, L & R Organic Product, Inc, Liverpool—16 dms, Sandoz Chemical Works, Havre

FISH SOUNDS—60 bls, Fulton Freight & Forwarding Co, Maracaibo

FLINT PEBBLES—320 bgs, Buebendorf Bros, Copenhagen

FORMALDEHYDE—100 dms, Hal Delphin & Co, Antwerp

FUEL OIL—103,498 bbls, Mexican Petroleum Corp, Aruba—103,558 bbls, Gulf Oil Corp, Aruba—405,898 bbls, Standard Oil Co of N J, Aruba

GAMMEXANE DUST—2 dms, Continental Laboratories, Chicago, Liverpool

GARNETLAC—100 bgs, Wm Zinsser & Co, Calcutta

GAS OIL—65,979 bbls, First National Oil Corp, Tampico

GELATIN—3 cs, International Selling Corp, Antwerp

GLUE, BONE — 1,779 bgs, Transatlantic Animal By Product Corp, Rio Grande—445 bgs, Wessel, Duval & Co, Rio Grande

GLYCERIN—147 dms, International Commercial Co, Chicago, Montevideo—443 dms, E I du Pont de Nemours & Co, Tandjong Priok

GRAPHITE — 250 bgs, Charles Pettinos, Colombo

GREAVES—300 cakes, Riverdale Products Co, Chicago, Buenos Aires

GYPSUM—200 bgs, Whittaker, Clark & Daniels, Liverpool—3,423 tons, United States Gypsum Co, Deep Brook

HERBS—27 bls, J L Hopkins & Co, Antwerp—40 bls, R J Prentiss & Co, Antwerp

HERRING MEAL—4,200 bgs, H J Baker & Bro, Reykjavik

HOOF & HORNMEAL—535 bgs, Wilson & Co, Santos—1,524 bgs, Tupman, Thurlow & Co, Santos

HOOF MEAL—892 bgs, International Commercial Co, Chicago, Roseau—456 bgs, International Commercial Co, Chicago, Rio Grande

IRON ORE—43 tons, 10 cwt, Procter & Gamble Co, Cincinnati, Liverpool

IRON OXIDE—10 cks, J H Rhodes & Co, Liverpool

ISINGLASS—2 cs, Lo Curto & Funk, London

JASMINE CONCRETE—1 cs, Central Hanover Bank & Trust Co, Messina

KOLANUTS—200 bgs, D Steengrafe & Co, Kingston

KYANITE ORE—153 tons, Mombassa

LAVENDER FLOWERS—67 bgs, Peek & Velsor, Genoa

LAVENDER SPIKE OIL—6 dms, Alicante

LEMON OIL—25 half cs, Dodge & Olcott Co, Messina—200 qtr cs, Guaranty Trust Co, Messina

LEMONGRASS OIL—1 dm, Orbis Products Corp, Puerto Barrios—4 dms, H A Sothern Co, Puerto Barrios—5 dms, Puerto Barrios—1 dm, J D Walsh, Puerto Plata

LOCUST BEAN GUM—100 bgs, Innis, Speiden & Co, Genoa

MAGNESIA, CARBONATE—50 cs, Liverpool

MANNA—20 cs, Commercial National Bank, Palermo

MICA—60 cs, A O Schoonmaker Insulation Co, Calcutta—3 cs, Cornelius & Suhr, Calcutta—58 cs, J F Garneau & Co, Calcutta

MUSTARD BRAN—720 bgs, Atlantis Sales Corp, Rochester, London

MUSTARD SEED—250 bgs, R T French Co, Rochester, Rotterdam

NAPHTHENIC ACID—47,351 gals, Standard Oil Co of N J, Aruba

NUTMEGS—457 bgs, Trade Commissioner, Macassar

OITICICA OIL—619 dms, Brazil Oiticica, Inc, Fortaleza

OLIBANIUM GUM—70 cs, Irving Trust Co, Aden—100 cs, 200 bgs, Aden

OLIVE OIL—600 cs, Central Hanover Bank, Leghorn—65 dms, Chicago Macaroni Co, Leghorn—700 cs, Nylos Trading Co, Leghorn—480 cs, Latorrecca Bros, Leghorn

ORANGE OIL, SWEET—80 cs, Victory Shipping Co, Kingston

ORANGE PEEL—2 bbls, National City Bank, Curacao—28 bls, R J Prentiss & Co, Alicante—49 bgs, Irving Trust Co, Messina

OURICURY WAX—118 bgs, W R Grace & Co, Bahia

PAPAIN—150 cs, S B Penick & Co, Mombassa—80 cs, Mombassa

PAPRIKA—300 bgs, V M Calderon Co, Alicante—600 bgs, J Weinstein, Alicante—250 bgs, M J Golombeck, Alicante—25 bgs, Van Loan & Co, Alicante—200 bgs, Knickerbocker Mills Co, Alicante—350 bgs, Alicante—400 bgs, Chicago, Barcelona—800 bgs, Chase National Bank & Trust Co, Valparaiso—200 bgs, R J Prentiss & Co, Rotterdam

PEPPER, BLACK—350 bgs, A C Israel Commodity Co, Calcutta — 75 bgs, Stern, Morgenthau & Co, Rotterdam—235 bgs, C T Wilson & Co, Rotterdam

PERILLO GUM—97 bdls, Chicle Development Co, Puna

PETITGRAIN OIL—25 cs, Van Ameringen Haebler, Inc, Buenos Aires—6 dms, C Tennant Sons & Co, Buenos Aires—8 dms, Norda Essential Oil & Chemical Co, Buenos Aires

PETROLEUM, CRUDE—105,962 bbls, Gulf Oil Corp, Las Piedras—106,149 bbls, Imperial Oil Ltd, Caripito — 119,922 bbls, Socony Vacuum Oil Co, Puerto La Cruz—293,883 bbls, Standard Oil Co of N J, Cartagena—217,204 bbls, Standard Oil Co of N J, Las Piedras—119,072 bbls, Standard Oil Co of N J, Puerto La Cruz—101,779 bbls, Cities Service Oil Co, Las Piedras—83,753 bbls, Standard Oil Co of N J, Caripito—57,392 bbls, Cities Service Oil Co, Tampico—102,935 bbls, Standard Oil Co of N J, Guira

PHARMACEUTICAL PRODUCTS—15 cs, Philipp Bros, Buenos Aires

PIMENTO—80 bgs, Geo Lueders & Co, Kingston—160 bgs, H A Gogarty, Inc, Kingston

PIMENTO LEAF OIL—2 dms, Dodge & Olcott Co, Kingston

PINE OIL—5 bbls, H S Dorf & Co, Helsingfors

POPPYSEED—100 bgs, Levy & Levis Co, Rotterdam

POTATO DEXTRIN—100 bgs, Morningstar-Nicol, Inc, Rotterdam

POTTERS COLORS—6 cks, East Liverpool, Ohio, Liverpool

PUMICE CHIPS—100 bgs, J H Rhodes & Co, Canneto—lump, 10 cks, Whittaker, Clark & Daniels, Canneto—1 cs, Len Col Associates, Canneto—400 bgs, C B Chrystal & Co, Canneto—powdered, 23 bgs, Len Col Associates, Canneto—550 bgs, C B Chrystal & Co, Canneto—11,347 bgs, J H Rhodes & Co, Canneto

PYRETHRUM FLOWERS—1,100 bls, Reconstruction Finance Corp, Dar Es Salaam—1,000 bls, Mombassa

QUASSIA LOGS—134,400 lbs, Continental Commodities Corp, Kingston

QUEBRACHO EXTRACT—6,300 bgs, River Plate Import & Export Corp, Buenos Aires—7,100 bgs, International Products Corp, Buenos Aires

RADIUM—3 cs, Radium Chemical Co, Antwerp

ROSEMARY OIL—6 dms, Alicante

ROOT, DRIED—20 bls, Eli Lilly & Co, Indianapolis, Antwerp

SACCHARIN—3 cs, Interocean Chemical & Minerals Corp, Antwerp—5 cs, Manufacturers Trust Co, Antwerp—22 cs, Colgate-Palmolive-Peet Co, Antwerp

SADDLE SOAP—100 ctns, J J Gavin & Co, London

SAFFRON—2 cs, Alicante—1 cs, Valencia

SAGE LEAVES—34 bls, M J Golombeck, Larnaca

SCHEELITE ORE—93 bgs, Watson, Geach & Co, Capetown

SHARK LIVER OIL—127 dms, Week, Nibecker, Inc, Buenos Aires—18 dms, Havana—8 dms, American Home Products Co, Montevideo—4 dms, Adolph Rosenburg, Montevideo—10 dms, Wilbur Ellis & Co, Seattle, Capetown

SHARK LIVERS—17 dms, Week, Nibecker, Inc, Buenos Aires

SHELLAC—200 bgs, Gillespie-Rogers-Pyatt Co, Calcutta—200 bgs, P N Rowe, Calcutta

SIENNA EARTH—44 cs, Reichard-Coulston, Inc, Leghorn

SODA CYANIDE—1,000 dms, A F Holden Co, Liverpool—200 dms, Philipp Bros, Liverpool

SUMAC, GROUND—350 bgs, Palermo—leaf, 100 bls, Palermo

SUNFLOWERSEED OIL—2,040 tons, Harrison & Crosfield, Canada, Buenos Ares—925,932 lbs, Harrison & Crosfield, Canada, Buenos

Gas Makers Head

C. G. Andrew, operating and engineering executive of Air Reduction Company, New York, was elected president of the Compressed Gas Manufacturers Association at the annual meeting of the association held recently in New York.

Aires—645,727 lbs, Commodity Prices Stab Corp, Buenos Aires
TALC — 2,450 bgs, Whittaker, Clark & Daniels, Bordeaux—350 bgs, C B Chrystal & Co, Bordeaux—400 bgs, L A Salomon & Bros, Bordeaux—300 bgs, Hammill & Gillespie, Bordeaux
TANKAGE—10,423 bgs, Swift & Co, Roseau —1,000 bgs, Wessel, Duval & Co, Montevideo
TAPIOCA FLOUR—10,166 bgs, Stein, Hall & Co, Itajai—310 bgs, Geismar & Co, Itajai—screenings, 2,000 bgs, Geismar & Co, Santos
TARA, POWDERED—250 bgs, Asher, Kates & Co, Callao—seed, 630 bgs, Asher, Kates & Co, Callao
TARTARIC ACID—400 kegs, Nylos Trading Co, Genoa
TEAWASTE—700 bgs, Maywood Chemical Works, Colombo
TUNG OIL—20 dms, W R Babcock & Co, Manila
ULTRAMARINE BLUE—201 cks, Standard Ultramarine Co, Huntington, Hull
UMBER EARTH—174 bgs, C B Chrystal & Co, Larnaca—1,466 bgs, J Lee Smith & Co, Larnaca
VEGETABLE WAX—3 cs, American Express Co, Liverpool—64 bgs, Paul & Stein Bros, Puna
WATTLE BARK—4,416 bls, Hammond & Carpenter, Durban—1,100 bls, River Plate Import & Export Corp, Durban—extract, 3,198 bgs, River Plate Import & Export Corp, Durban—4,109 bgs, American Cyanamid & Chemical Corp, Durban—2,134 bgs, Littlejohn & Co, Durban—2,038 bgs, M S Kattenhorn & Co, Durban—1,950 bgs, Vermilye Co, Durban
WHITING—400 bgs, Nicholas H Weitzler, Antwerp
WOLFRAM ORE—402 bgs, W R Grace & Co, Antofagasta
WOOL GREASE—17 dms, 20 bgs, Liverpool

Baltimore

BLOOD, DRIED—2,000 bgs, Wessel, Duval & Co, Montevideo
BONES—1,668 bgs, American Agricultural & Chemical Co, Montevideo—310 bgs, Armour & Co, Montevideo
CHROME ORE—499 tons, W H Muller & Co, Lourenco Marques
CINNAMON BARK—52 bls, Albo Import & Export Co, Antwerp
MANGANESE ORE—7,500 tons, Carnegie-Illinois Steel Co, Durban
WATTLE BARK—550 bls, River Plate Import & Export Corp, Durban—extract, 6,169 bgs, American Cyanamid & Chemical Corp, Durban

Boston

BONES—2,185 bgs, Charles Hollinshed & Co, Montevideo
GELATIN BONES — 1,016 bgs, Tupman, Thurlow & Co, Buenos Aires
GLUESTOCK — 130 bls, J Garvers Co, Havana — 101 bls, Atlantic Gelatine Co, Buenos Aires
OSSEINE—680 bgs, Atlantic Gelatine Co, Antwerp—320 bgs, Merchants National Bank, Antwerp
POTATO STARCH—750 bgs, First National Bank, Rotterdam
QUEBRACHO EXTRACT — 11,801 bgs, American Tanners Ltd, Buenos Aires—2,000 bgs, International Products Corp, Buenos Aires
SODA SILICOFLUORIDE—250 bgs, I M Sobin Co, Antwerp
TANKAGE, LIVER & GLANDULAR—499 bgs, International Commercial Co, Montevideo
TEXTILE GUM—120 cks, J P Marston Co, Liverpool

Norfolk

FERTILIZER, COCOAWASTE—7,168 bgs, Monsanto Chemical Co, Rotterdam
MANGANESE ORE—1,500 tons, E J Lavino & Co, Vizagapatam
ZIRCONIUM ORE—828,000 kilos, Union Carbide & Carbon Corp, Santos

Philadelphia

CHROME ORE—3,514 tons, 14 cwt, E J Lavino & Co, Beira—2,006 tons, E J Lavino & Co, Beira—2,787 tons, Frank Samuels & Co, Lourenco Marques
CORUNDUM ORE—1,218 bgs, E J Lavino & Co, Lourenco Marques
CRESYLIC ACID—50 dms, J H Faunce, Inc, Glasgow—50 dms, 1 box, Concord Chemical Co, Liverpool
MUSTARD SEED—200 bgs, Catz American Co, Rotterdam
QUEBRACHO EXTRACT—1,130 bgs, American Tanners Ltd, Buenos Aires
WATTLE BARK—3,850 bls, River Plate Import & Export Corp, Durban—extract, 4,029 bgs, River Plate Import & Export Corp, Durban

San Francisco

SHARK LIVER OIL—91 dms, Wilbur, Ellis & Co, Buenos Aires—19 dms, Wilbur, Ellis & Co, Montevideo

Dr. Bowles Retires From Bureau of Mines

The retirement of Dr. Oliver Bowles, chief of the nonmetal economics division of the Bureau of Mines, after thirty-three years of government service, has been announced by Dr. R. R. Sayers, bureau director. Internationally known for his pioneer achievements in the field of nonmetallic minerals, Dr. Bowles plans to devote his time to writing, consulting work, and to his hobby of flower culture.

As head of the bureau's nonmetal economics division, Dr. Bowles was responsible for furnishing war agencies with information pertaining to mica, graphite, quartz crystal, cement, chemical raw materials, asbestos, potash, phosphate rock, magnesia, and other vital minerals.

An authority on quarrying and mining operations both in the United States and Europe, his consultation and advice have been of great value in guiding the industrial development of nonmetallic minerals. Dr. Bowles introduced the wire saw to the American slate industry, a device which has proved highly successful in speeding up production, reducing waste, and cutting costs.

Colombia Sets Up Petroleum Council

OPD Washington Bureau

A National Petroleum Council has been established in Colombia to engage in permanent and continuous study of the industry and to advise on petroleum legislation, operations and policy in that South American country, according to the United States Department of Commerce.

U.S. Oil Men to Lay Saudi Arabia Pipeline

A party of American oil men were en route to Saudi Arabia, last week to lay a 1,000-mile pipeline across the desert from the newly-discovered oil fields near the Persian Gulf to a Mediterranean port as yet undesignated. The project will be done by the Trans-Arabian Pipeline Company, owned by the Arabian American Oil Company, which itself is jointly owned by the Texas Company and the Standard Oil Company of California.

Shell Conducts Sales Training Courses

The Shell Oil Company, New York, has inaugurated the first in a series of training courses for sales supervisory personnel at Katonah, N. Y. The company plans to train several hundred sales employees annually, in a series of three-week classes, each attended by approximately fifty people from various parts of the country.

Nu-Guard Chemicals Buys Royal Warren Refinery

Royal Manufacturing Company, Duquesne, Pa., has sold its refinery at 8 Hammon Road, Warren, Pa., to Nu-Guard Chemicals Inc. The company will continue to produce at the refinery medicinal white oils, technical oils, cutting oils and petroleum sulphonates.

Trade Briefs

Kentucky Petroleum Marketers Association will hold its annual meeting at the Brown hotel, Louisville, February 25.

James B. Berry Sons' Company, petroleum products, Carteret, N. J., will open offices at 25 Broadway, New York.

Ethyl Corporation, New York, has added Max M. Roensch to the engineering department staff of the Detroit research laboratories.

Socony-Vacuum Oil Company, New York, has appointed Holbrook T. Ashton manager of the central marketing region, with headquarters in St. Louis.

Sun Oil Company has announced construction of a new plant for the production of Carbon 13 at the Marcus Hook refinery in Pennsylvania.

C. W. Healy, of the Louisville, Ky., office of Gulf Refining Company, has been elected vice-chairman of the Kentucky Petroleum Marketers Association's executive committee.

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Conservation Order M-131 as amended November 29th, 1946 decontrols TOTAQUINE U.S.P., making this Cinchona Alkaloid compound freely available without allocation.

Ample supplies of TOTAQUINE U.S.P., "Improved" are in hand for prompt shipment.

This amendment to Order M-131 also releases CINCHONINE and CINCHONIDINE, but supplies of these two Cinchona Alkaloids are still somewhat limited. However, orders for reasonable quantities can be filled in rotation.

QUININE, QUINIDINE and CINCHONA BARK remain under Civilian Production Administration control with little likelihood of release at any early date. Supplies of QUININE and QUINIDINE are extremely scarce and allocations continue to be granted only sparingly for their restricted uses.

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Botanical Drugs, Spices, Gums

Marked decrease in interest in seasonal items has come to the market for botanical drugs. The slowing down in demand and the reduction in sales volume was an entirely seasonal development last week and was not to be classed as a factor suggestive of market weakness. Quite the contrary was the fact. Such materials have been reduced to very small stocks; some were unobtainable last week; and all occupied a firm price position regardless of the slump in takings by manufacturing consumers.

Firm prices continued a feature of the market regardless of seasonability. Absorption of all domestic fenugreek by the California orange growers turned attention to stocks of Indian and Morocco seed on spot. Supplies were absorbed sufficiently not only to advance spot prices but to put both varieties into nominal position. Canadian fir balsam turned very scarce and a sharp rise in price came with the shrinkage of supplies.

Another scarce and not particularly seasonal item was gum gamboge, the prices for which were nominal at substantially higher levels. Pinkroot and queen of the meadow root were in very short supply and at higher prices they were difficult to obtain in any quarter.

On the side of items displaying an easier position were angelica root, arrivals of which have been sufficient to bring lower quotations. Copaiba, Peru, and tolu balsams were also on the downward trend because of more liberal arrivals of late. Cubeb berries were more competitive and prices moved still lower. Gum benzoin was cheaper.

The main price movement in condimentals was downward, practically two to one. Anise was especially weak but cumin seed was not far behind. Black pepper reacted downward but a potentially strengthening factor was the continued failure of arrivals to secure release by the Food and Drug Administration. Offerings of oriental mustard seed from the Pacific coast eased the yellow mustard seed prices in Montana.

Market Trends

Prices Advanced

Drugs

Fenugreek seed, Indian, 1¾c. per lb.
Morocco, 1½c. per lb.
Fir balsam, Canadian, $2.50 per gal.
Gum, gamboge, whole, 40c. per lb.
powdered, 25c. per lb.
Pink root, 10c. per lb.
Queen of the meadow root, 8c. per lb.
Witch hazel leaves, 8c. per lb.

Other Articles

Clove, Madagascar, futures, 1c. per lb.
Laurel leaves, Portuguese, futures, ½c. per lb.
choice, 2¼c. per lb.
Poppy seed, Argentine, ½c. per lb.
Swedish, 1c. per lb.

Prices Reduced

Drugs

Angelica root, imported, 5c. per lb.
Copaiba balsam, 20c. per lb.
Cubeb berries, 5c. per lb.
Ginger root, African, ¾c. per lb.
Gum, benzoin, Sumatra, 5c. per lb.
Peru balsam, 5c. per lb.
Tolu balsam, 10c. per lb.

Other Articles

Allspice, Mexican, futures, 1c. per lb.
Anise, Argentine, 1c. per lb.
Chinese, star, 1½c. per lb.
Mexican, ½c. per lb.
Syrian, 1c. per lb.
Cumin seed, Persian, ½c. per lb.
Syrian, ½c. per lb.
Mustard seed, Montana, yellow, futures, ½c. per lb.
Pepper, black, ½c. per lb.
futures, 1c. per lb.
Poppy seed, Danish, 2c. per lb.
Sage, Dalmatian, 1½c. per lb.

Comparative Price Indexes

(100=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year.
286.3	286.3	283. 0	274.9

(For Current Prices see Page 9)

Balsams

Copaiba—The market continued to move in buyers' favor and late last week the quotation was $1.10 to $1.15 per pound.

Fir—Canadian balsam was reported to be very scarce and the minimum price on spot was $22 to $22.50 per gallon. Oregon balsam was also higher, being quoted at $2.65 to $2.75.

Peru—Competition continued to ease the spot market and quotations late last week were down to $1.20 to $1.25 per pound.

Tolu—A further decline in price brought the spot market down to $3.75 to $3.80 per pound and conditions were generally favorable for buyers.

Barks

Buckthorn—Fair activity acted to the full support of spot quotations and undertones were very firm throughout the past week.

Cascara Sagrada—The start of 1947 peeling operations is not far off and results will be awaited with considerable interest. The carryover in first-hands in the Pacific northwest will not be very large and special efforts to get out a good sized peel would seem to be a reasonable expectation. Present spot prices are very firm.

Cinchona—News from the Far East suggests a reapproachment between the Dutch government and the native Indonesians of Java. If peace be achieved, reestablishment of liberal exports of this bark may be expected as it constitutes one of the important products of income in the primary market.

Cocillana—Demand has begun to taper. With the nearing end of Winter, contraction of this Winter article is in order. Prices still remain on the firm side and they have failed to ease at this time.

Beans

Vanilla—A substantial amount of these beans is said to be coming forward from the primary market for French beans. Relatively high prices have been paid to get the goods, and arrivals are not expected to weaken spot quotations in the least. Much of current business is on a to-arrive basis and deliveries will be from the expected arrivals. Spot stocks were very small and in strong hands.

Berries

Cubeb—Further shading of spot quotations put the market to 85c. to 90c. per pound for whole and $1.10 to $1.20 for powdered material. Competition was fairly active since demand was not especially large and first costs permit some shading of prices on occasions.

Prickly Ash—The market was not well stocked with this article and prices at 50c. to 60c. per pound were not only strong but were virtually nominal in some quarters.

Flowers

Calendula—Not much activity in the market has the tendency to make prices somewhat easier and it was suggested that firm orders in hand might be placed at slightly less than open quotations.

Clover Tops—The carryover into the new collection season will not be substantial enough to create a hazard to the maintenance of fairly steady prices in the interim. Present activity is light.

Poppy—Stocks were conservative in size and have not been renewed substantially for a considerable period of time. Undertones of firm sort worked

Imports Detained by FDA

Week Ended February 7, 1947

New York

Cassia, 950 bags: insect webbing and filth.
Chamomile flowers, 79 cases: filthy.
Cod oil, 100 drums: decomposed.
Ergot, 655 bags: filthy; moldy; excess moisture, not U.S.P.
Honey, 500 cartons: short weight.
Lemon peel, 30 bales: moldy and insect infested.
Nutmegs, 350 bags: moldy and wormy.
Ocotea cymbarum oil, 23 drums: not properly labeled.
Olive oil, 65 packages: decomposed; adulterated with foreign oil.
Paprika, 400 bags: sand.
Pepper, black, 4,571 bags: excess pickings and siftings; filth.
Sage leaves, 87 bags: not official variety.

Buffalo

Balm of gilead buds, 1 bag: moldy.

For Late Market Developments, See Page 4

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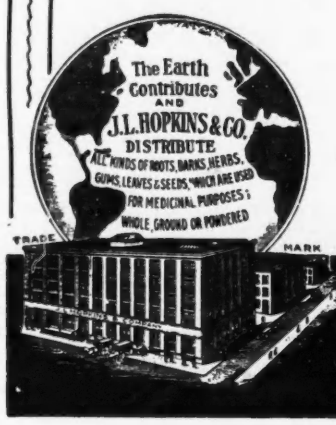
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to the steady maintenance of spot quotations.

Rose—Pale flowers were rather quiet but prices remained steady. Little competition was noted on spot when good quality material was under discussion. Some off quality has sold at less than current quotations in the recent past.

Gums

Aloe—Very steady in undertone despite the rather routine character of the current movement into consumption. Prices were well maintained in the absence of incisive competition.

Arabic — Spot quotations were steady to firm. Demand was routine but fair in volume and was satisfied under conditions in which competition was less a factor than it has been in the recent past. Local values were understood to shape well with the present replacement price views of shippers at the source.

Asafetida—Not much powder was available for an immediate delivery and some sellers called the market nominal for that reason. Whole gum was in moderately good reserve and deliveries of powder need not be too much delayed. No replacement arrivals have been reported of late.

Benzoin—The market on Sumatra gum was lower at 85c. to 90c. per pound and conditions put the article in a position quite favorable for buyers with firm orders in hand. The spot stock was fair in size.

Gamboge—Mass or pipe were very firm at $2.40 to $2.50 per pound which has been done several times of late. The stock was very small at the best. Powder has sold at $2.50 to $2.60.

Herbs and Leaves

Belladonna—A further importation was reported, being 40 bales from Genoa, Italy. The inflow of this article has served to create a somewhat easier feeling generally but first costs abroad tend to hold spot prices stable at current levels.

Buchu—Until goods arrive in volume from the primary market, scarcity of spot merchandise appears to be inevitable. The market remains very strong but prices have not been advanced further.

Deer Tongue—The stronger market position continued last week. Sellers are carrying but limited stocks at this time and replenishment in volume must await collection of the 1947 crop. And the size of collection is distinctly problematical.

Laurel—Some choice quality Portuguese leaf was offered at the substantially higher price of 17c. to 17½c. per pound. Futures were up to 16c. to 16½c., which accounts in part for the rise locally.

Marjoram—Chilean material held steady and lacked price change for the first time in several weeks. Not much demand was reported.

Peppermint.— The market was rather slow last week and prices were not too steady although they did lack quotable change. The supply was moderate.

Sage—Dalmatian material was a fraction lower at 34½c. to 35c. per pound. Greek and Cyprus merchandise held steady. The market was fairly active as to demand. However, judging from the finished product available at retail, some sausage manufacturers are leaving sage out of their production this year, resulting in a tasteless companion for the well known griddle cakes.

Witch Hazel—Sellers were reserved in offering even at the higher price of 28c. to 30c. per pound. The carryover will be light this year and country prices are expected to remain relatively high.

Miscellaneous

Cantharides—Russian whole flies were down to $7.50 per pound but the price appeared to be nominal. Chinese material of good quality was available at $5.75 per pound and bidding might be successful if potential buyers were conservative.

Corn Silk—More goods arrived from Italy last week, being a matter of 68 bales which still have to pass inspection. Previous experience of importers would make it entirely possible for the goods to be denied entry.

Kola Nuts—Further decline has not developed but stocks have been increased by numerous arrivals and

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the market undertone has turned moderately easier. Imports last week totaled 200 bags.

Lycopodium—The market was quiet both as to price movement and consuming request. Prices remained very steady but the tendency remained to be developed when demand shall be revived.

Papain—Prices held. The arrival of 150 cases last week from Mombassa failed to disturb the price structure; it remained very steady with additional support developing in the field of improved request. Stocks were relatively low.

Roots

Aconite—During the past week, 7 bags of this root arrived here from Bilbao, Spain, a welcome addition in a market notably short of spot delivery material for a considerable period of time.

Althea—The spot market lacked much in the way of demand but it remained generally steady as to price notwithstanding the fact that 36 bags reached here last week from Bilbao, Spain.

Angelica—From Antwerp, Belgium, came 23 bales and 33 bags of this root and the spot market had a moderate tendency to ease because of more competition having followed the increase in supply. The market was shaded to $2.45 to $2.55 per pound.

Bryonia—Inquiry was slightly more frequent last week. Although sales did not increase much, they were up in some quarters where prices assumed a firmer position and had some tendency to rise.

Burdock—The market was narrow but limited stocks alone were sufficient to keep prices to a very steady position. It seemed probable that Europe will be able to ship more in 1947 than it could in 1946 and some think collections will be considerably larger.

Colombo—Stocks have not gained much for a long time past and the current supply had dwindled sufficiently to bring a firmer undertone to the market. Prices were well maintained.

Dandelion—Europe is shipping this root to the United States now. For some years, South America had supplied practically all local supplies. During the past week, 257 bags reached here from Rotterdam, Holland.

Goldenseal—Although demand was lacking as a test of buyers' approach to further pricing of this article, the fact remained that there was not much root upon which to quote, and scarcity tended to give substantial strength to the local market...

Pink—Spot quotations were marked up to $1.10 to $1.15 per pound as demand pinched a further quantity from the already short spot supply of this root. Sellers exercised substantial reserve in the matter of offerings.

Queen of the Meadow—Sales of this root have been made at 20c. to 22c. per pound, and the market had a strong undertone throughout the past week.

Seeds

Anise—Prices on all kinds of this article except Cyprus ended the week in lower position. Argentine seed became 35c. to 36c. per pound and Syrian material could be had for the same price. Chinese star anise was 20c. to 21c. Mexican seed, 37c. to 38c. It was a buyers' market.

Celery—A quiet market in demand resulted in a market totally lacking in price movement here or in India. Nor was anything heard from France that would suggest immediate weakening there.

Cumin—The market was weak and buyers with firm orders in hand had things in their favor. Open quotations on Syrian and Persian seed were down to 31½c. to 32c. per pound.

Fenugreek—Stocks have been well absorbed and the spot position appeared to be nominal with prices on Indian being noted higher at 10½c. per pound while Morocco seed was 11½c. Pacific coast stocks of domestic seed have been totally absorbed by the orange growers.

Mustard—Oriental quality seed was offered from the Pacific coast without stirring much activity among buyers. Absence of much trading resulted in yellow seed now in Montana being reduced to 17c. to 17½c. per pound.

Poppy—Argentine seed first advanced to 20c. per pound and then became nominal in the absence of spot offerings. Danish seed also became nominal at 20½c. And Swedish was nominal at 22c. Only Dutch seed was offered firm and it was 23½c. to 24c. per pound.

Spices

Allspice—Mexican material was shaded to 18c. to 18½c. per pound.

Clove—The sole change came in Madagascar futures which were advanced to 14½c. to 15c. per pound.

Ginger—African seed was shaded rather sharply to the basis of 14¼c. to 14¾c. per pound. Other kinds of ginger held unchanged.

Paprika—Chilean was again available on the firm basis of 38c. to 39c. per pound. Portuguese futures were sharply advanced to 48c. to 49c.

Pepper—Black pepper receded slightly to the basis of 54½c. to 55c. per pound for spot goods and futures ranged 52c. to 54c. per pound, according to position.

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Essential Oils, Other Aromatics

Market Trends

Prices Advanced

None

Prices Reduced

Anise oil, Chinese, USP, 5c. per lb.
Bois de rose oil, Brazilian, 30c. per lb.
Caraway oil, NF, 40c. per lb.
Cubeb oil, $4 per lb.
Lemongrass oil, 50c. per lb.
Lime oil, W.I., dist., 25c. per lb.
expressed, 50c. per lb.
Petitgrain oil, Paraguay, 20c. per lb.
Ylang-ylang oil, Bourbon, $1 per lb.
First grade, $1 per lb.
Second grade, 50c. per lb.

Comparative Price Indexes

(100=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year.
220.1	221.4	226.3	216.1

(For Current Prices see Page 9)

Downward price movements, which had typified the essential oil market during the past several weeks, were the order of the day again last week as lower quotations were noted in eight oils. Buying maintained its conservative nature in most cases, and the overall market picture was relatively quiet. Imports were slightly retarded, but there was little apprehension that the development of regular supply channels was tending to slow.

Prices for Chinese, U.S.P., anise, Brazilian bois de rose, NF caraway, cubeb, lemongrass, West Indian distilled and expressed lime, Paraguayan petitgrain, and three types of ylang-ylang oils were reduced last week as the solid downward price movement continued to march across the market.

Conservative buying tendencies, which had begun to develop in the market during the recent weeks, had considerable influence on the downward progression of prices last week, and it was expected that continuation of the attitude would promote further price drops in the future.

Imports continued to enter the market at a fairly good pace, but the volume and regularity of shipments had fallen off slightly, last week, from the unusually high level attained during the previous month. Still, dealers and buyers alike were convinced that the days of serious shortages were practically at an end as far as essential oils were concerned, and it was generally believed that imports would continue unabated within the next few months.

Essential Oils

Anise — Chinese, U.S.P. oil was quoted 5c. per pound lower on the inside last week, establishing a range from $1 to $1.50 per pound. Movement on both spot and contract material was reported to be good, and stocks available in the American market were said to be in fairly large volume. There were no variations in the price for Russian oil, and stocks of that type were generally tight. The Department of Commerce reported that declared exports of aniseed oil from Hong Kong to the United States during the month of October, 1946, amounted to 131,880 pounds, valued at $140,474 in American currency. There were no imports of any type of anise oil reported during the period under review.

Bergamot — Caution continued to typify the buyers throughout the bergamot oil market last week, as prices were held above the earlier levels by the higher replacement costs, and movement in the American market was slight. Some stocks in the lower end of the range were said to be moving gradually, but there was no widespread buyer interest, and indications were that there would be none until prices dropped to a point approximating that which had been in force prior to the sharp advances of several weeks earlier. Prices were definitely firm during the week. Imports during the period under review totaled forty half cases and eighty quarter cases from Italy.

Bois de Rose—Prices for Brazilian bois de rose oil were reduced 30c. per pound on the inside last week, as quotations ranged from $4.70 to $6.00 per pound. The steadily improving stock situation in the United States, coupled with the improved shipping position at the primary markets, had been effecting an easier situation in the oil for several weeks, and there had been price reductions noted earlier. Buyer interest was only moderately well maintained, and was primarily concentrated in contract goods. There were no imports noted during the period under review.

Caraway—Prices for oil of caraway dropped 40c. per pound on the inside last week, establishing a price range from $5.60 to $6.75 per pound. Market tone, persistently dull for several weeks, had not improved materially, although it was reported that growers in the Netherlands had large quantities of oil available at low cost. American dealers, in general, however, many of whom had moderately large inventories of the oil, considered it inexpedient to acquire low cost oil while higher cost oil failed to move. Demand continued narrow, and there was little indication that large quantities of oil would move into consumer channels until prices were materially lowered. There were no imports noted during the period under review.

Cassia—Declared exports of cassia oil from Hong Kong to the United States during October, 1946, amounted to 949,040 pounds, valued at $170,577 in American currency, according to a report of the Department of Commerce. Trading in the oil in the American market was at a consistently high level as stocks were generally good, and the import situation in the Orient promised further volume shipments. Prices were held steady by the level of trading, but there were some indications that there was slight easing in view of the improved stocks. There were no imports reported during the period under review, however.

Citronella—There was a tendency among buyers in the American market and in the primary market to avoid buying of large quantities of Ceylon oil last week, and it was reported that the disinterested tendency had been developing for several weeks recently in certain quarters of the market. Stocks of this type of oil in the American market continued to be limited in most cases, and it was said that even in the Indian market there was not a great deal of high grade oil available. Some interest continued to be shown in oils from the Caribbean area, but there was no definite strength in the buyer movement. Prices did not vary for any type of oil during the week. Imports during the period under review were limited to nine drums of oil from Guatemala.

Cubeb—Prices for cubeb oil were reduced $4 per pound on the inside last week, establishing a range of prices from $8 to $13 per pound. This change was the first variation in quotations since the oil had reentered the market early in January, and was considered to be sponsored by the rather narrow buyer interest in certain quarters of the market. Imports of cubeb berries had improved materially during recent weeks, however, and the differential of prices between berries and oil was in approximately the same ratio as that in effect in 1939. At that time, berries were selling for 28c. per pound, and oil was offered at $2.50 per pound. Berries were offered last week at 90c. per pound.

Geranium — The Department of Commerce reported recently that in the third quarter of 1946, the Island of Reunion exported 17,400 kilograms of oil of geranium valued at 37,701,000 francs. Of that total, France accounted for 9,600 kilograms, with a value of 20,814,000 francs; Madagascar, for 6,300 kilograms, worth 13,585,000 francs; Morocco, for 1,000 kilograms, valued at 2,250,000 francs, and the United States for 500 kilograms, valued at 1,052,000 francs. Stocks of oil in the United States last week were reported to be in good condition, and there was particular buyer interest shown for lower-priced stocks. Imports in recent weeks had been undergoing gradual improvement, and prices had been reduced gradually in reflection of the greater availability. Prices last

For Late Market Developments, See Page 4

week were steady and without change for all types of oil. There were no imports noted during the period under review.

Juniper Berry—Imported juniper berry oil was offered in the market last week at prices ranging from $14 to $15 per pound. Interest in both imported and domestic oils was reported to be narrow, and there was very little movement noted either on spot or contract. Prices for domestic oil ranged from $6 to $13.50 per pound, and there were no variations reported during the week. There were no imports of oil noted during the period under review.

Juniper Tar—Seven drums of oil of cade arrived in the American market from Spain last week, the first shipment to be noted in many months. Prices for the U.S.P. oil ranged from 68c. to $1 per pound, and there were no variations noted during the week. Buyer interest was reported to be narrow, and there was little movement in any quarter of the market.

Lavender—Interest in all types of lavender oil was fairly well maintained last week as the majority of the oils were in good supply, and shipment against all orders was prompt and in good volume. Particular attention was directed toward both technical and pure Spanish spike oil, but the volume of business did not effect any variation in prices for this type of oil during the week. Stocks of Bourbon oil were said to be in a much improved position, and movement against firmer inquiry was good. Prices throughout the market were held steady by the moderately high level of the trading, but there were no price changes noted. Imports during the period under review totaled six drums of spike oil from Spain.

Lemon—Inquiry for all types of oil, both imported and domestic, maintained a rapid pace last week as stocks of all oils were reported to be tightening throughout the market, and there was a definite firming tendency in quotations. Considerable optimism concerning the future availability of Italian oil was sponsored by the arrival of 200 quarter cases and 25 half cases early in the week. During recent weeks imports from that source had dribbled to a stop, and it had been feared that exchange difficulties would eliminate the possibility of American dealers accumulating important inventories of Italian oil. In spite of the tight stock situation, prevalent in lemon oils of all kinds, and the active buyer interest, there were no price advances noted during the period under review.

Lemongrass—Prices for lemongrass oil were reduced 50c. per pound on the inside last week, establishing a range from $2.90 to $3.40 per pound, but there were evidences that stocks had been offered and continued to move at figures substantially below the quoted figures. It was reported that prices in the Indian market were firming slightly late last week, which would raise prices in the American market somewhat, but even those advances were not considered substantial enough to make the oil as expensive as quotations in the American market indicated. Reports were that large stocks of oil continued to be available in the United States, and movement during the week was well maintained to a steady buyer interest. Imports during the period under review were limited to ten drums from Guatemala and one drum from the Dominican Republic.

Lime—Prices for both distilled and expressed West Indian lime oils were reduced on the inside last week in the face of lagging buyer interest and good supply. Distilled oil was reduced 25c. per pound, establishing a range from $5.75 to $7.50 per pound, and expressed oil dropped 50c. per pound, to be offered from $13 to $15 per pound. Imports from the West Indies had diminished slightly in volume and regularity during recent weeks, but the stock situation in the United States was good, and there was little prospect of shortages within the next several months. There were no imports noted during the period under review.

Ocotea Cymbarum—Trading in this division of the market was well maintained last week as buyer interest was not diminished materially, and stocks of oil were readily available in good volume. Insecticide manufacturers supplied a considerable portion of the impetus to movement on contract orders, and spot inquiry was at a moderately high level. Prices were reported to be firming slightly, but there were no advances noted during the week. Shipments arriving in the United States during the period under review were limited to ten drums from Brazil.

Petitgrain—Prices for Paraguayan oil were reduced 20c. per pound last week, establishing a range from $3.25 to $4.00 per pound. Stocks of oil available in the American market continued to show improvement last week, as six drums and twenty-five cases were reported to have arrived from Argentina. Buyer interest was essentially limited to spot stocks, but it was reported that there were a few inquiries for deliveries on contract, and trading was moderately active throughout the market.

Rose — According to the United States Department of Commerce, a law was recently enacted in Bulgaria which placed the production of and trade in rose oil, rose concrete, and rose absolute completely in the hands of the Bulgarian Agricultural and Cooperative Bank, Institute of State, Sofia, Bulgaria. The Bulgarian Mission to the United States was quoted as saying that all interested buyers should address their orders for rose products to the bank.

Rosemary—Buyer interest was only moderately maintained last week, in spite of the fact that stocks of Spanish oil were displaying steady improvement, and prices continued to show a tendency to ease in view of the retarded interest. It was felt in some quarters that there would be a gradual return to active interest as stocks available showed definite improvement, and dealers generally expressed little concern over the quiet nature of the market. There were no variations in price during the week. Imports during the period under review totaled six drums of oil from Spain.

Vetiver—The Department of Commerce reported recently that a total of 11,300 kilograms of oil of vetiver, valued at 32,924,000 francs were exported from the Island of Reunion during the third quarter of 1946. France took 5,600 kilograms, valued at 25,417,000 francs; Madagascar received 5,100 kilograms, with a value of 5,052,000 francs; and the United States, 600 kilograms, valued at 2,455,000 francs. Stocks of oil in the United States continued tight last week, and Haitian oil continued to arouse the majority of buyer interest. There was very little Bourbon oil available, and the prospects for development of a steady supply from that source were considered dim. Prices were firming last week, but there were no advances noted.

Ylang-Ylang—Widespread price reductions were forthcoming in this oil market last week as inside prices for Bourbon and first and second grade types of oil dropped. Bourbon oil was reduced $1 per pound to be offered in a range from $17 to $24 per pound; first grade oil dropped $1 per pound, establishing a range from $13 to $17 per pound; and second grade oil prices were lowered 50c. per pound with offerings varying from $8 to $14 per pound. Stocks were materially improved recently by the reestablishment of Philippine sources, and there

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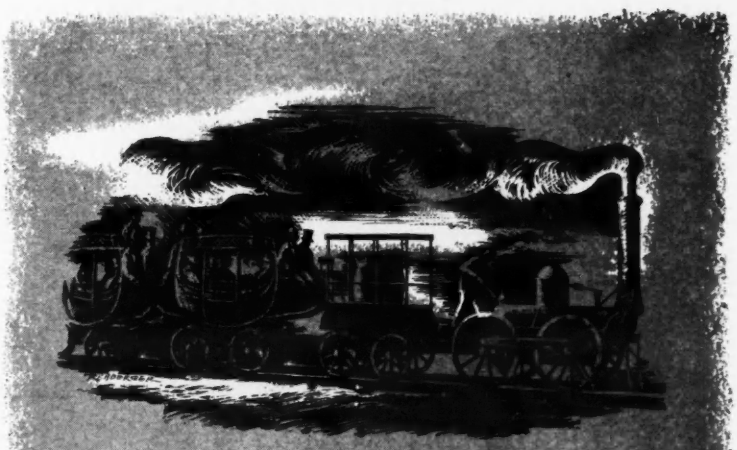
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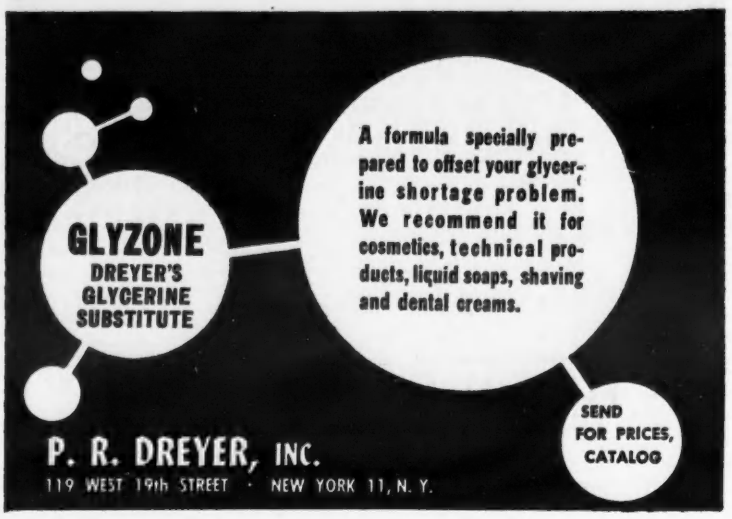
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were indications that the situation would continue to show gains within the next few months. According to the Department of Commerce, the first imports of ylang-ylang oil from the Philippines since 1942 were recorded in the United States official statistics for November, 1946. They showed imports of forty pounds valued at $1,400. The same source reported that exports of ylang-ylang oil from the Island of Reunion during the third quarter of 1946 amounted to slightly more than 100 kilograms, most of which went to France.

Aromatic Chemicals

The continued gravity of the supply situation for basic materials in the American aromatic chemicals industry last week was demonstrated by the importing of forty cases of cetyl alcohol from England. This shipment was the second such arrival within recent weeks, and was considered to be indicative of the grim necessity forced upon manufacturing consumers in the United States to obtain basic materials wherever they were available. Some slight gains had been made in the acquisition of basic materials employed by aromatic chemical manufacturers during recent weeks, but they found themselves still unable to supply items, such as cetyl alcohol, in large enough quantity to satisfy the needs of all the domestic consumers. Primary gains in raw materials were made in the essential oils which had been arriving in the United States in fairly large volume, and were gradually emerging from chemical plants in the form of sorely needed derivatives. Most prices held firm last week, and buyer interest was moderately well maintained although some withdrawal of inquiry was noted as buyers felt that the situation was hopeless in some materials.

Patent Office Reorganized by Ooms

OPD Washington Bureau

Reorganization of the Patent Office to secure increased efficiency and streamlined operations to perform the increasingly difficult functions of the office has been announced by Casper W. Ooms, Commissioner of Patents.

The most extensive change has been in the organization of the corps of patent examiners, Mr. Ooms said. There are now 754 examiners in the Patent Office whose duty it is to pass on patent applications. Prior to the reorganization these examiners worked under five supervisory examiners, each of whom was responsible to the commissioner of patents. Under the reorganization, an office known as the executive primary examiner, headed by Mark Taylor, has been established. The executive primary examiner is responsible for coordinating all patent examining operations and reports directly to the commissioner.

Similarly, the newly established office of executive examiner for trademark operations, headed by John Merchant, coordinates all trademark activities and is responsible to the commissioner of patents. It is anticipated that this office will be increased considerably during the next six months to execute the provisions of the Lanham Trademark act which takes effect next July.

There has been no material change in the functions of the offices of the solicitor, the board of appeals and assistant commissioners. All other administrative functions and the functions previously performed by the office of the chief clerk have been consolidated in the executive office, C. E. Haglund, who is responsible to the commissioner for their coordination and direction.

During the last six months of 1946 a total of 43,925 applications was filed for patents, designs and reissues, and during the same period 11,866 patents were issued. As of January 24, 1947, the Patent Office had on hand a backlog of 130,481 patent applications, 7,779 design applications and 12,451 trademark applications awaiting action, Mr. Ooms said.

Synthetic Aromatics Shortage Seen Holding

Synthetic aromatic chemicals supplies with few exceptions in 1947 will be inadequate to meet the demand, according to the market report to appear in the February "Givaudanian," published monthly by Givaudan-Delawanna, Inc., New York. The article further states that production during the year will be far short of capacity because of raw material shortages.

Demand for synthetic aromatic chemicals continues very strong, it was said, although some concern has been felt regarding the disappointing sales of cosmetic products during the Christmas season. Also the soap industry fears consumer resistance to higher prices for toilet soap the article states.

It is considered doubtful that these factors will lessen demand during the coming year, and unlikely that demand will fall to a point where the market can be satisfied by the aromatic chemicals producers, the report concludes.

Trade Briefs

F & F Associates, Inc., has been organized in New York for the manufacture of cosmetics.

Victoria, Ltd., perfume manufacturer New York, has appointed William D. Collier sales manager. He formerly was with Primrose House.

Allied Home Products Corporation, manufacturer of household cleaning products, New York, has appointed Jacques A. Wiese director of advertising and merchandising.

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Linseed Oil Shortage

—Continued from page 3

located this year by the International Emergency Food Council, approximately 99,500 tons (oil content) of flaxseed from the following sources:—77,000 tons from Argentina, 13,000 tons from Uruguay, 7,500 tons from Canada and 2,000 tons from Mexico.

The difficulty of getting the entire amount allocated to the United States, however, it was explained, lies in the fact that neither Argentina nor Uruguay are members of the IEFC.

Omar Herman, chief of the fats and oils section of the Production and Marketing Administration recalled to the committee that during the war the CCC was the only importer of flaxseed oil. This preclusive buying was ended last November and the trade was left free to seek purchases in Argentina. The Peron government, however, has refused to have any dealings with private industry and will sell only to state bodies, and it has become necessary for the CCC to again enter the picture.

Other officials told the committee that it is their understanding that the Argentine government pays the farmers $2.80 a bushel for flaxseed delivered in Buenos Aires. The oil is being sold, however, on the basis of $8 a bushel flaxseed, and it is the feeling of the American embassy that the farmers are critical of this wide differential and may be holding back large quantities of flaxseed from the market.

Flaxseed Production

With respect to prospective production of flaxseed in the United States, the hearing was told that indications are that the 5,000,000-acre goal set for this year, will be met. Last year, 2,400,000 acres were harvested.

Since the announcement of a $6 per bushel support price for flaxseed was made, it was stated, there is a decided trend among the growers to plant flaxseed this year. A telephone survey made just last week, it was stated, indication that a minimum of 4,800,000 acres will be planted this year and this is considered to be a "very conservative" estimate.

Flax Planting

There is a question, however, of the availability of sufficient seed for planting flax, it was stated. Nearly 4,000,000 bushels of seed are needed for the program and indications are that the farmers themselves have on hand only about 2,280,000 bushels. It is not known how much seed is in storage in country elevators and a survey is to be made immediately. It is believed, however, that substantial supplies exist in these centers. Also the crushers have been holding back substantial amounts for use as seed.

Robert Capps, president of the Archer-Daniels-Midland Co., Minneapolis, told the committee that there are only enough supplies of linseed oil to last until the middle of March under very restricted consumption. The small additional supplies which the government is getting now from Argentina will tide the industry over for a few months, but it is going to be necessary to conserve wherever possible.

He also told the committee of the efforts of the Flax Development Committee to stimulate interest in growing areas in the production of flaxseed, pointing out that $100,000 has been raised this year to propagandize the farmers on the need for flaxseed.

Surplus Materials

—Continued from page 4

sixteen filled, $11 each; twenty-five empty, $7 each; Philadelphia, PHO-71-445.

Cylinders, freon, 5,710 10-pound, $3 each; 266 25-pound, $5 each; thirty-five 33-pound, $6 each; 148 150-pound, $8 each; Philadelphia, PHO-71-446.

Cylinders, hydrogen, twenty-two, $13 each; Philadelphia, PHO-71-445.

Cylinders, Nitrogen, 6,325 2,000 pounds pressure, filled $13 each; Philadelphia. PHO-71-445.

Cylinders, nitrous oxide, 4-cubic-feet, three, $3 each; Philadelphia, PHO-71-445.

Cylinders, oxygen, three lots, 465, various sizes, $3 to $13 each; Philadelphia, PHO-71-445.

Cylinders, sulphur dioxide, 5-cubic-feet, three, $3 each; Philadelphia, PHO-71-445.

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Dust-wetter, $540; New York, NYO-67-1173.

Tanks, steel, gasoline or oil, 500-barrels, low, vertical, bolted-type, knocked down, forty-one, at Wilkes-Barre, Pa.; Philadelphia, PHO-62-450, February 28.

Nuclear Research

—Continued from page 5

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Protective Coatings Materials

Stabilization of prices in the protective coatings market continued last week, with a definite slackening off in advances being noted. A few products were expected to seesaw back and forth before a steady price was reached while others were expected to undergo a decline because of the buyer resistance being shown. Generally speaking, buyer interest and demand in the various markets witnessed no let-up in volume which has been consistent for many months.

Dry colors experienced considerable activity last week with movement of supplies regarded as very substantial. Conditions in the shellac market continued to be regarded as unsettled in view of the troubled conditions in India. Litharge, orange mineral and other lead pigments continue to be the unfortunate victims of scarce pig lead supplies.

Record volume of business in the paint industry last year was expected to continue and assume even greater proportions during 1947. Chief reasons for this expectation were the plans for increased housing production and the need to correct paint deterioration in homes during the war that was not cared for last year.

Demand for synthetic resins reached high proportions with call for polystyrene possibly leading all the others. Increased production of automobiles, refrigerators and like commodities were absorbing large amounts used for finishing purposes.

From July through December of last year, 80,000 pounds of pine pitch and 16,800 gallons of turpentine were purchased by the Department of Agriculture for the supply program, price support and other reasons at a cost of $2,800 and $10,000 respectively.

Market Trends

Prices Advanced

None

Prices Reduced

None

Comparative Price Indexes

(100=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year.
172.0	172.0	170.8	140.2

(For Current Prices see Page 9)

Metallic Lead and Zinc

Lead—The critical supply situation of many previous weeks was evident again last week as increased supplies continued to be sought by all consumers. February allocations of this material from the government stockpile were expected to be announced shortly by the Lead Branch of the C.P.A. Demand from the paint industry was very heavy in view of the expected heavy call for lead pigments with the coming of Spring. Available stocks were being diverted to regular customers with little chance of spot requests being supplied.

Prices for common grade were firm and continued to be quoted at 13c. per pound in New York and between 12.80c. and 12.85c. per pound in St. Louis.

Zinc—New developments were not forthcoming in this market last week with demand running far ahead of supply. Shipments against previous orders constituted the major market activity with but few supplies available for any new requests.

Current prices which have not been affected by price changes so far this year, remained firm with prime western being quoted at 11c. per pound in New York and 10.50c. per pound in East St. Louis.

Pigments

Lead Oxides—Manufacturers of lead pigments were faced with the greatest demand for these materials in the history of paint manufacturing but were unable to meet a large portion of this demand because of the extreme difficulty experienced in the procurement of lead supplies. Heavy demand has overshadowed all production levels and producers expect no improvement until lead stocks become more readily available. No price changes were reported for the various lead pigments during the period under review.

Titanium—No decline in the demand for titanium pigments was reported last week with manufacturers attempting to supply regular consumers to the best of their ability with the supplies on hand. Production facilities have been operating at top speed but were totally unable to cope with the excellent interest and call in the market. The strong market showed no price changes last week.

Zinc Oxide—Steady improvement of the supply situation in this market gave hope to the future outlook for this material. However, the present good demand was unable to be completely satisfied by present production rates, and a slight backlog in orders existed. Prices were declared to be firm and unchanged during the period under review.

Dry and Chemical Colors

Black — Total production of bone black during December amounted to 956 tons, approximately equal to the production of the previous month, according to the Bureau of Census. Shipments in December amounted to 1,231 tons, a slight decline from the 1,373 tons shipped during the previous month.

Iron Oxide — Good call for this material continued unabated last week with distributors reported to be seeking larger quantities for shipment. The seller's market of many previous weeks remained in effect. Imports were not reported as substantial last week with but 10 casks arriving from England.

Sienna Earth — Demand for this commodity was stated to be moderate and prompt shipments were declared to be entirely dependent upon the quantity of imports received since surplus stocks were disposed of some time ago. Imports totaling forty-four casks were received from Italy during the period under review.

Spanish Red Oxide—Fair to moderate demand was voiced for this material last week but the amount of imports received for distribution were small due to the shortage of drums and barrels in Spain and also because of the lack of adequate shipping space.

Ultramarine Blue—Imports of this material continue to show some improvement as 201 casks were received from England last week. Imports of approximately the same amount were received during the previous week.

Umber Earth—Imports of 1,620 bags of this material were reported to have been received from Cyprus during the period under review.

Lacquer Materials

Acetone — The post-war call, far greater than had been anticipated by the industry, continued unabated last week and showed little tendency to fall off to any appreciable extent. Production facilities were being worked at top capacity but the increased and consistent demand absorbed stocks as readily as they became available. The strong market did not witness price changes last week.

Butyl Acetate—Little change was noticed over conditions prevalent during many previous weeks. Consumer interest was at a high level but shortages of butyl materials and acetic acid curtailed any substantial increase in production needed to meet the heavy demand. Shipments were well maintained against previous orders and no price changes were reported.

Dibutyl Phthalate — Supply availability was slightly improved last week but definitely did not reach a level high enough to satisfy the good interest and heavy call for this material. Raw material shortages continued to be the chief factor for the lowered production rates. Prices remained firm and unchanged.

Ethyl Acetate—Retarded production due to the difficulty in obtaining adequate supplies of raw materials continued last week although a very slight improvement over previous weeks was noted and proffered hope for a more healthy situation in the near future. Trading was brisk with moderate interest and call in evidence. Prices were firm and unchanged.

For Late Market Developments, See Page 4

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Plastic, Coldwater Paint, Calcimines Sales: 1946

Sales of plastic-texture paints, coldwater paints and calcimines, as reported by sixty manufacturers to the Bureau of Census for December and the entire twelve months of 1946, compared with the totals for December and all of 1945:—

Plastic Paints

	December, 1946		All of 1946	
	Pounds	Value	Pounds	Value
*Total	2,325,470	$186,332	20,139,665	$1,408,887

* Includes paste and dry powder plastic-texture paints which cannot be shown separately without disclosing the operations of individual companies.

Coldwater Paints

	Pounds	Value	Pounds	Value
Exterior, lime or cement-bound	2,584,930	$229,625	46,104,036	$3,722,351
casein-bound	255,153	$20,039	3,907,172	$239,694
Interior, casein-bound, paste or semi-paste form.	*216,170	$281,672	2,330,683	$3,264,406
dry-powder form	679,497	$66,851	8,785,886	$731,645
glue-bound	315,952	$13,437	3,378,130	$145,421

* Gallons.

Calcimines

	Pounds	Value	Pounds	Value
Hotwater	965,260	$52,928	11,433,133	$541,564
Coldwater	946,530	$46,091	11,440,121	$520,708

Sales of these products for December, 1946, and the entire year 1946, as compared with December, 1945, and the entire year, 1945:—

	December	Total 1946	Dec., 1945	Total, 1945
Plastic paints.....lbs.	2,325,470	20,139,665	1,029,871	9,452,256
value.	$186,332	$1,408,887	$69,702	$639,770
Coldwater paints.....value.	$611,624	$8,103,547	$382,291	$5,786,137
Calcimines .....lbs.	1,911,790	22,873,254	1,759,032	27,339,996
value.	$99,019	$1,062,272	$85,530	$1,214,923

Fillers and Extenders

Chalk — Moderate demand coupled with steady prices contributed to the volume of business accomplished last week. Fortunately, fair imports were reported to have been received and were quickly diverted into consumer channels. Total imports amounted to 1,200 bags of crude and 600 bags of precipitated from Belgium and England.

Gypsum — Both call and domestic production of this commodity remained heavy last week. It was reported that 200 bags and 3,423 tons were received from England and Nova Scotia during the period under review.

Pumice — Imports of this material showed a definite upward surge last week with the following quantities received from Italy:—Chips, 100 bags; lump, 10 casks, 1 case and 400 bags; powdered, 11,920 bags.

Talc — Buyer interest in this extender was declared to be at a fair level last week with substantial movement noted. Imports for the week reached an appreciable amount with 3,500 bags being received from France.

Whiting — Moderate demand and adequate supplies created a healthy

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market for this material last week. The strong market evidenced firm and unchanged prices.

Driers and Flatteners

Napthenates—Continued good demand and adequate production characterized this market last week, and the healthy outlook of many previous weeks continued unblemished. Napthenic acid was being made available in sufficient quantities to insure heavy production. Buyer interest was maintained at a high level in view of the increased demand for most paints and paint materials. No difficulty was reported in supplying present and future demand. The firm condition of the market was not affected by the introduction of any price changes during the period under review.

Resinates—No change was noted over the previous week's market with conditions materially unchanged. Good interest was witnessed as active call promoted a fair degree of trading. Shortages in the fused resinate section of the market were absent and prompt deliveries were being made on contract and spot orders. Fused resinate stocks were in a slightly less plentiful supply with a small backlog in orders existing. Producers were concentrating on making shipments against previously placed orders. Prices remained firm and unchanged during the period under review.

Stearates—Retaining its dull outlook, the stearate market was not the recipient of any important changes last week. Raw material supplies—stearic acid and other fatty acids—continued to keep production at a much lower level than was necessary to satisfy the good interest shown in the market. The majority of business was centered about making shipments against previously placed orders. No price changes were reported.

Varnish Gums

Gums—Conditions continued to improve in this market with regular channels for the shipment of these materials being slowly built up in the Far East. Moderate to good demand was voiced for these materials but trade remained dependent on the quantity of imports received. Prices were unstable and dependent on conditions at the raw material source. Imports for the week amounted to 260 bags and three cases of dammar from the Celebes and 1,678 bags of copal from Manila and the Celebes.

Shellac—The market was reported to have dropped off slightly again last week as a result of the easier condition in Calcutta. On the outside it appeared that very few supplies were available in India, although it was possible that some stocks were being held back, awaiting higher prices. The easing Calcutta market saw prices drop slightly although this was not reflected in American markets. Reports of a settlement of the transportation strike in India were heard last week, although these reports were unconfirmed. If this report proved true, it would greatly facilitate the flow of the April crop to the seaport and tend to create a firmer market.

Imports for the past week amounted to 100 bags of seedlac and 400 bags of shellac from Calcutta.

Naval Stores

Rosin—Foreign demand for both gum and wood rosin slowed down slightly last week but continued to be regarded as very heavy. Producers and distributors were totally unable to fill the majority of requests in view of the short supply situation voiced in all parts of the market. Domestic demand was small since it was assumed that most domestic users had fortified themselves against the pres-

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Paint, Varnish, Lacquer Sales: 1946

The value of paint, varnish, lacquer and fillers sold in each of the twelve months of 1946, as reported by 680 establishments to the Bureau of Census, is shown to have reached the record-breaking high level of $796,464,916—more than $153,000,000 in excess of those for 1945 the heretofore banner year in this industry. Details of the sales reported by these establishments, and comparisons with the total sales in the same lines for 1945 and 1944 follow:—

	Total sales reported by 680 establishments.	Classified sales reported by 580 establishments—Trade-sales of paint, varnish, and lacquer.	Industrial sales—Total.	Industrial sales—Paint and varnish.	Industrial sales—Lacquer.	Unclassified sales reported by 100 establishments.
January	$55,919,068	$29,953,395	$19,824,591	$14,836,945	$4,987,646	$6,141,082
February	54,573,247	31,248,242	17,643,102	13,076,080	4,567,072	5,681,903
March	64,696,964	37,339,412	20,939,831	15,726,045	5,213,786	6,417,721
April	72,338,550	40,765,129	24,255,858	18,166,648	6,089,210	7,317,563
May	72,462,915	40,659,079	24,474,818	17,981,392	6,493,426	7,329,018
June	66,071,218	35,769,366	23,653,045	17,649,010	6,004,035	6,648,807
July	65,202,017	34,998,866	24,258,703	17,985,814	6,272,889	5,944,448
August	68,481,815	35,179,523	26,060,245	19,005,284	7,054,961	7,242,047
September	63,053,906	31,759,079	24,014,380	17,578,358	6,436,022	7,280,447
October	69,991,323	34,936,858	28,218,677	20,795,577	7,423,100	6,835,788
November	70,135,553	35,109,017	27,374,162	20,113,205	7,260,957	7,652,374
December	73,538,340	35,789,356	30,841,621	23,030,471	7,811,150	7,407,363
Total, 1946	$796,464,916	$423,507,322	$291,059,033	$215,944,779	$75,114,254	$81,898,561
Total, 1945	643,425,141	307,394,294	269,997,646	204,747,066	65,250,580	66,033,201
Total, 1944	618,3[illegible]5,532	294,154,629	263,023,601	197,081,086	65,942,515	61,147,302

ent supply drought which is always expected at this time of the year. Attention was being concentrated on speculation as to how large the Spring crop will be. Increased labor supply in the South should help rosin farmers but a serious difficulty is expected to be encountered in the procurement of aprons and gutters.

Savannah, Feb. 13.—Following is a record of the rosin market for the week:—

	Price per unit—Low of range quoted: Fri.	Mon.	Tues.	Wed.	Thurs.
B	$8.25	$8.25	$8.25	$8.25	$8.25
D	8.60	8.60	8.60	8.60	8.60
E	8.90	8.90	8.90	8.90	8.90
F	9.60	9.60	9.60	9.60	9.60
G	9.60	9.60	9.60	9.60	9.60
H	9.60	9.60	9.60	9.60	9.60
I	9.60	9.60	9.60	9.60	9.60
K	9.60	9.60	9.60	9.60	9.60
M	9.60	9.60	9.60	9.60	9.60
N	9.60	9.60	9.60	9.60	9.60
WG	9.60	9.60	9.60	9.60	9.60
WW	9.60	9.60	9.60	9.60	9.60
X	9.60	9.60	9.60	9.60	9.60
Drums—					
Sales	...	...	...	...	...
Receipts	1,549	111	270	476	25
Shipments	6,892	...	...	...	4
Stocks	6,484	5,961	6,221	6,697	6,718

Turpentine—Demand for gum turpentine was disappointing again last week and the market was very quiet. Moderate supplies were declared to be available but high prices and the annual painting season lull curtailed the volume of business accomplished. However, the use of turpentine in the development of new terpene chemicals and the approach of an active Spring painting season was expected to send the demand for this material soaring, providing some reduction of the present abnormal price was effected.

Savannah, Feb. 13.—Following is a record of the turpentine market for the week:—

	Bulk gallons—Cents.	Sales.	Barrels—Receipts.	Shipments.	On hand.
Friday	$1.20	2,100	295	526	2,220
Monday	1.20¼	150	...	...	2,220
Tuesday	1.20¼	...	...	98	2,122
Wednesday.	1.20	4,000	285	23	2,384
Thursday	1.20	...	18	218	2,184

Glues and Binders

Casein—The easier tone witnessed last week was due to the irregularity that was predominant in both the domestic and Argentine markets. In spite of the previous week's sudden and large decline in domestic prices, interest in the market did not improve and no contracts were reported as signed because of the unsettled market conditions. Consumers were content to purchase what supplies they need on a day to day basis rather than commit themselves on future orders. The increase in domestic production in 1946, which was 53 percent greater than that of the previous year, was expected to continue during 1947, although it was felt that prices had to be reduced to promote market interest. The Argentine picture was cloaked in uncertainty with the government agency felt not to be flexible enough to enact price changes necessary to promote trade.

It was reported during the period under review that 3,300 bags of this commodity were received in home ports from Argentina.

Glue—Domestic production of bone and hide glue in December was greater than that of a year ago but fell slightly below the production levels of November, 1946. Total domestic glue production during December was 11,779,517 pounds, compared with November's total of 12,213,632 pounds, according to the Bureau of Census. Imports for the past week amounted to 2,224 bags of bone glue from Brazil.

Lacquer Sales for 1946

Sales of clear lacquers, pigmented lacquer bases and dopes, and thinners by 158 manufacturers, as reported to the Bureau of Census for the entire twelve months of 1946, and a comparison with those for the entire year 1945, were as follows:—

	1946	1945
Clear lacquers—		
Gallons	17,710,741	15,936,010
Value	$28,797,018	$25,083,741
Pigmented lacquers—		
Gallons	19,457,681	13,979,974
Value	$45,893,474	$31,254,754
Lacquer bases and dopes—		
Gallons	3,774,230	3,579,013
Value	$5,019,503	$4,824,710
Lacquer thinners—		
Gallons	27,986,639	23,692,492
Value	$26,062,361	$22,444,347
Totals—		
Gallons	68,939,291	57,187,489
Value	$105,772,356	$83,607,552

A.S.T.M. Program

—Continued from page 5

Yacko, both of the Bridgeport works laboratory of the General Electric Company.

"Methods of Evaluation of Automotive Finished," Frederick G. Weed and Newell P. Beckwith, both of Rinshed-Mason Company.

"Methods of Evaluation of Metal Container Finishes," John H. McKenzie, of the American Can Company, New York.

"Methods of Evaluation of Marine Finishes," Allen L. Alexander, of the Office of Naval Research, Washington.

Methods of Evaluation of Paint Materials

"Particle Size by Gas Absorption," E. N. Harvey, jr., of the Interchemical Corporation, New York.

"Inclined Tube Viscometer," Maynard Euverard, of the Interchemical Corporation, New York. "Stroboscopic Timer for Stormer Viscometer," E. P. Peterson and Joseph Prane, of the National Lead Company, New York.

Paint Test Data

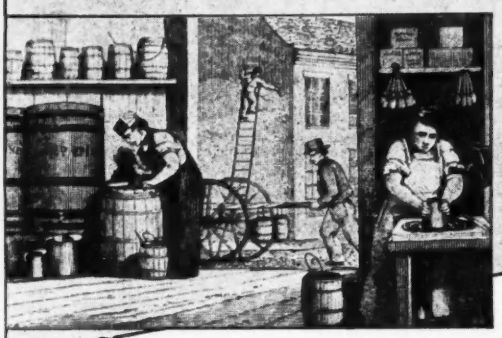
"Introduction to Statistics," A. E. R. Westman, of the Ontario Research Foundation, vice-chairman of A.S.T.M., committee E-11 on Quality Control of Materials.

"Application of Statistical Methods," E. I. Stearns of the Calco Chemical Division of the American Cyanamid Company.

"Statistical Analysis of Test Data on Accelerated Weathering of Paint," Roy Hill, and George S. Cook, Engineer Board, Fort Belvoir, Va., and William E. Moyer, of the National Lead Company, New York.

Highlights of Paint Progress

No. 1 OF A SERIES



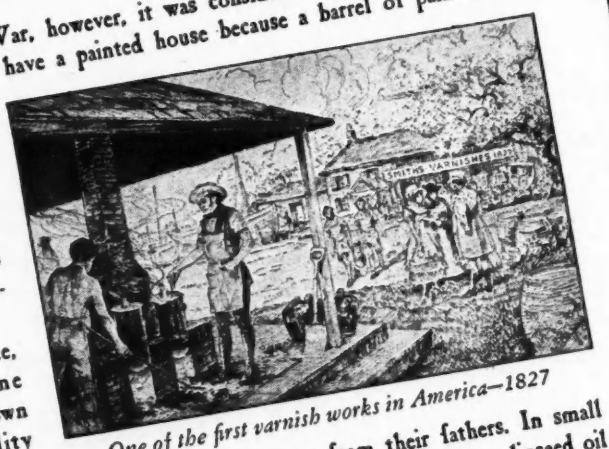
Paint of a sort was made by hand in olden days

1827

BEFORE THE DAWN OF READY-MIXED PAINTS

In the middle of the 17th Century a painted house was considered by the Puritans to be a mark of worldly vanity and was, therefore, sinful. A New England preacher who had painted his house was brought before the elders of the church and charged with that awful offense.

After the Revolutionary War, however, it was considered a mark of social distinction in New England to have a painted house because a barrel of paint cost a small fortune. Those were the good old days of stage coaches, water wheels, trading sloops and spinning wheels. "Science" and "Industry" were words hardly found even in dictionaries.



One of the first varnish works in America—1827

It was common practice, for example, for some painters to cook their own varnishes. Better quality products, however, were prepared by skilled craftsmen who learned the fine art from their fathers. In small kettles over wood fires, they cooked their hand-me-down formulas based on linseed oil and such fossil gums as zanzibar. They guarded jealously their secret recipes and practices.

Paint of a sort was made by hand in olden days. Practical painters or painter-carpenters "ground"—with a slab and muller—dry white lead and colors into pastes with linseed oil. A tub and paddle served as a mixer for thinning and tinting. Paints as we know them today did not then exist.

1848-1948

Partners in Paint Progress

In 1827 zinc oxide was an alchemist's curiosity. Its first commercial manufacture in this country, by The New Jersey Zinc Company in 1852, set the stage for the development of ready-mixed paints and a century of cooperative effort to improve paint products.

The Paint Industry — New Jersey Zinc

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1827—1860—1880—1900—1905—1910—1915—1920—1923—1925—1927—1929—1934—1936—1938—1941—1943

Lead Production Down in 1946

Preliminary estimates of mine production in the United States and Alaska in 1946 indicate an output of 332,478 tons of recoverable lead, a decrease of 15 percent from 1945, according to the Bureau of Mines. Preliminary data based on reports from producers covering eleven months' actual output plus an estimate for December indicate that 355,600 short tons of refined lead and 51,100 tons of antimonial lead were produced at primary refineries in 1946. Total output of refined lead dropped 23 percent and antimonial lead production fell 10 percent compared with the 1945 outputs. It is estimated from incomplete data that 303,000 tons were produced from domestic ores and base bullion, an indicated decline of 15 percent, and the smallest output since 1934.

Paint Materials Symposium Feb. 25

The American Society for Testing Materials will hold a symposium on paint and paint materials February 25, in the Benjamin Franklin hotel, Philadelphia. John C. Moore, president of the Federation of Paint and Varnish Production Clubs, will discuss "Test Methods and the Paint Industry" during the morning session. The remainder of the program will include papers on methods of evaluation of paints, methods of evaluation of paint materials, and statistical analysis of paint test data.

Sorbic Acid Offered In Development Quantities

Sorbic acid, or 2-4-hexadienoic acid, is now available in development quantities from Carbide and Carbon Chemicals Corporation.

As supplied, sorbic acid is a white, crystalline solid, with a purity of 99 percent by weight on a dry basis. The acid as shipped contains a maximum of 10 percent by weight of water to prevent polymerization on long standing. It melts at 134.5°C., and boils with decomposition at 228°C. Sorbic acid is soluble in many organic solvents, and although it is only slightly soluble in water, its alkali salts dissolve readily.

One of the most promising applications of sorbic acid is its use in the "upgrading" or improvement of natural drying oils, the company reports. Soft oils, such as soya, can be improved, to attain the properties of linseed; linseed oil itself can be "upgraded" to the equivalent of tung oil, according to the company. Form 6568, containing additional technical information, can be obtained by writing Carbide and Carbon Chemicals Corporation, 30 East Forty-second street, New York 17, N. Y.

Goodyear Develops Ink From Pliolite Resin

Goodyear Tire & Rubber Company, Akron, Ohio, announces development of a new, fast-drying printing ink made from a synthetic resin of the pliolite type. The company said the ink was designed to speed up printing methods and processes.

Corn Products Breaks Ground for New Plant

Ground was broken February 12 for the new $10,000,000 Corn Products Refining Company plant at Corpus Christi, Texas. The plant, whose process was developed after years of research, will manufacture starch and sugar from milo maize.

Present for the ground breaking ceremony were officials of Corn Products Refining Company, Corn Products Sales Company and the H. K. Ferguson Company, industrial engineers and builders in charge of the design and construction program. Local and state officials attended the groundbreaking ceremony, as well as a banquet in Corpus Christi that evening.

Du Pont Adds Nolen To Plastics Department

H. W. Paine, director of the chemical division laboratory of the plastics department of E. I. du Pont de Nemours & Co., has announced that Dr. Jake T. Nolen has joined the laboratory staff as a group leader. Dr. Nolen was a lieutenant colonel in the Chemical Warfare Service during the war.

N.W. Putnam Advanced By Imperial Paper & Color

Nathan W. Putnam has been made general sales manager of the pigment color division of the Imperial Paper & Color Corporation, Glens Falls, N. Y. He succeeds to a vacancy caused by the death of George S. Knapp.

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Color	water white	water white

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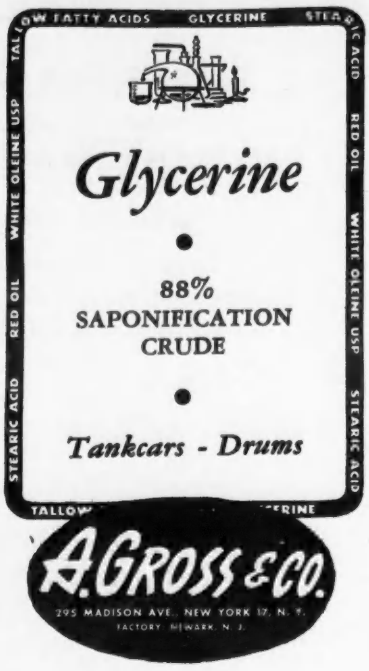

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TORONTO, CANADA

Oils, Fats and Waxes

Upward trend of prices continued to feature the oils and fats market last week. New highs were again established for corn, cottonseed, peanut and soybean oils and prices were boosted one cent per pound. Active inquiry was noted for prompt and nearby delivery, but with offers scarce, volume of trading was light. Refiners continued to bid for these oils at the high levels for all positions, except soybean oil. Eleven linseed oil crushers accepted and oversubscribed the offer of CCC to purchase 40,000 tons of Argentine oil for their account at 36¾c. per pound, tankcars, New York for February-May delivery, last week. Consumers, it was stated, placed contracts for sizable quantities of this oil at 38 cents, same basis, which was about 2 cents per pound above Argentine oil bought last December. Tallow and grease finally yielded to the steady advances in competing fats, and trading of moderate volume was transacted at an advance of one cent per pound for soapmakers account. Lard was firm under an active demand for spot and nearby delivery, and prices were increased for deliveries. Unsettled Chinese exchange market advanced tung oil for shipment and kept importers out of the market. Inquiry was fairly active for nearby shipment, with trading slow owing to lack of offers,

Carnauba wax continued easy under liberal offers of spot stocks which sharply reduced prices for most grades. Consuming interest continued slow for spot delivery and for shipment. The Brazilian market was reported easy and nominal.

Representative Emanuel Celler of New York has introduced a bill, H. R. 1227, to repeal the special tax on retail dealers in oleomargarin. The bill would take effect June 30.

Cottonseed Oil

Active trading resulted in the scoring of new high for bleachable cottonseed oil futures last week. Trading improved under a steady advance and new high levels were reached for all deliveries. Market reflected the strength in crude and competing oils. Crude oil sold at 32c. per pound, tankcars, in the Southeast. Trading was light owing to the scarcity of offers in the Belt. Refiners were generally bidding at 31c., but it was intimated that offers at the higher prices in other sections would be accepted.

Refined oil disappearance was indicated at 284,830 barrels in January, compared with 303,870 barrels in December and 221,090 barrels, January, 1946. Visible supply of oil and seed was estimated at 1,222,300 barrels, January 31, against 1,708,900 barrels a year ago.

Prices of refined bleachable prime summer yellow cottonseed oil in tankcars on the N. Y. Produce Exchange for the week ended Thursday, February 13, follow:—

	Sales	Cents per pound—High	Low	Close
March	10	35	35	34½@36
May	23	35	34½	34.80@35
July	14	35	34½	35 bid
September	9	31	30	30@30½
October	16	28½	25	28.35@28¾
December	9	27	23	26¼@27¼
January	..	..	..	26@27¼

Total sales, 81 contracts.

Crude oil was sold at 32c. per pound, tankcars, f.o.b. Southeast.

Memphis.—Crude coottonseed oil 31c. bid with offerings scarce. Cottonseed meal somewhat better. Allocations for export relieving the situation. Cottonseed hulls quoted at $11 per ton, bulk, mills. Meal, 41 percent, offered at $63 per ton, Memphis, February-March shipment.

Linseed Oil

Crushers purchased the 40,000 tons of Argentine linseed oil offered by CCC on the basis of 36¾c. per pound, tankcars, f.o.b. New York, for February-May shipment, last Wednesday, it was announced by that agency. Requests for the oil submitted by eleven crushers totaled about 41,000 tons. CCC will buy the oil for crushers account at the above mentioned figure. Consuming inquiry was active and trading was reported at 38c. per pound, tankcars, 38.2c. per pound, tankwagons and 39c. per pound, drums, carlots for delivery during the second quarter. These prices denoted an advance of about 2c. per pound above purchases by consumers for Argentine oil sold last December.

Minneapolis.—There was no oil market and while buyers showed willingness to take anything offered, crushers were not in a position to make any promises of new oil stocks until after August 1, when the new crop will start to move.

Shipments of linseed oil, in pounds, were as follows:—

	1946-47	1945-46
This week	2,760,000	6,460,000
Since Sept. 1	126,260,000	149,554,000

Flaxseed—Reports from the Midwest stated that cancellation of seed contracts will soon affect production of oil and meal.

Minneapolis.—There was a general letdown in the movement of seed to market and the shipment of oil and meal from Northwest processing plants last week as the trade came closer to the time when large crushing mills will shut down. Price meant little or nothing to the country and bids were still firmly held at $7.25. Farmers were paying from $8.50-$9.50 per bushel for seed quality flax in the country.

Bushels—	Receipts— 1946-47	1945-46	Shipments— 1946-47	1945-46
This week	23,800	48,000	5,100	18,500
Since Sept. 1	10,516,900	16,796,000	4,543,600	3,008,500

Other Vegetable Oils

Castor, Dehydrated—With production sold up, the supply situation continued tight. Makers are restricting sales to regular customers.

Coconut—Crude oil was unchanged and steady, ranging from 20c. to 20½c. per pound, tankcars, f.o.b. Pacific coast for prompt and nearby shipment. Trading was reported spotty. Copra was firmer for shipment from Manila and quoted at $217 per short ton, c.i.f. Pacific coast and $220 Atlantic ports.

Corn—Excellent demand and light offerings featured the market. Prices were advanced another ½c. Crude oil was nominal at 31½c. to 32c. per pound, tankcars, f.o.b. mills for prompt and nearby shipment. Refined oil was firm at 35½c. to 35¾c., same basis.

Officica—Inquiry for replacements continued active. Business was quiet, owing to lack of available oil here and offers of new crop from Brazil. Estimates place the new production from one fourth and one half below the 1946 output of 17,000 tons. Imports were reported at 610 drums at New York last week, which were delivered against former contracts.

Olive—Trading was reported quiet. Prices were unchanged and more or less nominal at $7. per gallon, in drums, duty paid on the spot.

Peanut—Refiners were generally bidding at 31c. per pound, with producers holding for 32c. per pound, tankcars, f.o.b. mills. Production was sold well ahead and offers were light.

Soybean—Interest was confined to immediate and prompt delivery. Offers were scarce and firm. Crude oil was reported sold at 28c. per pound, tankcars, f.o.b. mills, February shipment and 27½c. for March shipment, an advance of 1c. per pound. Immediate shipment was held at 28½c. February-March was quoted at 28c. to 28½c. and closely held. Inquiry for nearby and future delivery was light. April-June was quoted at 26c. to 26½c. and July-September, 24½c. tankcars. Clarified and alkali refined

For Late Market Developments, See Page 4

Market Trends

Prices Advanced

Copra, $6 per ton.
Corn oil, 1c. per lb.
Cottonseed oil, 1c. per lb.
Grease, 1c. per lb.
Lard, 1c. per lb.
Linseed oil, 2c. per lb.
Peanut oil, ½c. per lb.
Soybean oil, alkali refined, 1c. per lb.
clarified, 1c. per lb.
crude, 1c. per lb.
Tallow, 1c. per lb.

Prices Reduced

Carnauba wax, 2c. to 13c. per lb.
Ouricury wax, 2c. to 5c.
Linseed meal, $5 per ton.

Comparative Price Indexes

(100=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year.
301.4	296.3	286.3	193.3

(For Current Prices see Page 9)

grades were boosted another cent per pound during the week.

Sunflowerseed—Arrivals of Argentine oil was reported at 2,828 tons at New York last week of which 2,503 tons was for reshipment to Canada and 325 tons was consigned to Commodity Stabilization Board. Official fixed basic price for the Argentine 1946-47 sunflowerseed crop was indicated $62.05 per short ton. The crop is handled through the Trade Promotion Institute.

Tung—According to newspaper advices the Chinese exchange rate in the black market took a nose dive and was increased to 14,500 Chinese dollars to $1 U. S., last week. Offerings of tung oil for shipment from China continued scarce and asking prices were boosted 1c. per pound. These conditions caused oil importers to remain out of the market. Consuming inquiry was active for nearby delivery, but the unsettled Chinese market precluded any trading. Prices, locally were entirely nominal at 37½c. to 38c. per pound, tankcars, with some business reported on this basis. Sales were made at 39c. per pound, drums carlots, for prompt delivery. Tank wagons were available at 37.7c. per pound, February-June delivery.

Fats and Greases

Greases—Market was firmer and prices were increased 1c. per pound. Moderate quantities were reported sold for soapmakers account at the higher levels. Supplies were limited and well held. House sold at 21¾c. per pound loose and yellow at 22⅛c. per pound, loose. Choice white was quoted at 23c. per pound, same basis.

Lard—Active demand and reduced offerings further strengthened the market last week. Prices were boosted for spot delivery and futures reached new highs for the season. Heavy trading was reported in cash lard and bids were increased to 28c. per pound, and held at 28½c. to 29c. per pound tierces, f.o.b. Chicago. Loose lard was higher at 27c. bid, Chicago.

Tallow—Soapmakers increased their bids 1c. per pound and trading of sizable quantities was reported at advanced levels. Offerings were readily absorbed and the production was sold well ahead. Extra sold at 22¾c. and special at 22⅝c. per pound, loose. Available supplies were scarce and the market was strong at the higher levels.

Fish Oils

Menhaden—Stocks of refined oil light and firmly maintained at former levels. Demand was spotty.

Sardine—Trading was mainly for small quantities. Refined oil stocks were limited and closely held.

Los Angeles.—Crude sardine oil market was slow last week. The light-of-the-

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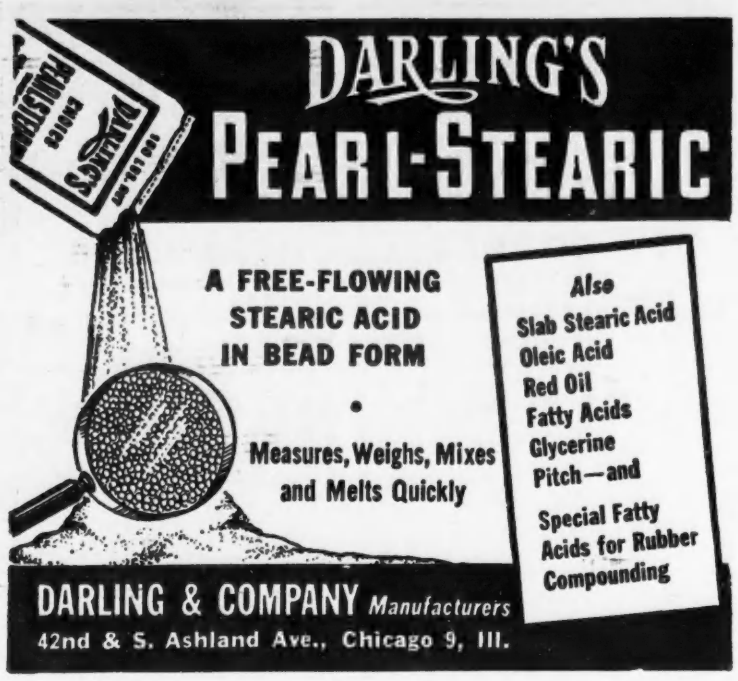

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1010	Less than 2	195°F Minimum	1 to 1½ NPA	None
700	Maximum 5	197°F Minimum	2 to 2½ NPA	None
500	5 to 10	192°F Minimum	2½ to 3 NPA	None
400	5 to 10	192°F Minimum	4 to 5½ NPA	None
200	5 to 10	192°F Minimum	Brown-Black	None
100	5 to 8	196°F Minimum	Black	None

* At atmospheric temperature

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moon period restricted fishing. Catch for the season to February 7 was 210,005 tons, compared with 392,523 tons for the same period last year.

Fatty Acids

Red Oil—This market was firm in sympathy with the strength in basic materials. Inquiry for replacements was keen, but offerings were restricted by makers to regular customers.

Stearic Acid—Consumers absorbed the output against former orders. Prices were well held. Demand was fairly active.

Cake and Meal

Emergency allocations of 10,000 tons of oilcake or meal were granted to Sweden and 15,000 tons to Belgium were announced by the Department of Agriculture, February 7 and 13.

Cottonseed Meal—No improvement was reported for domestic needs or for export last week. Market in the Southeast sagged despite the firmness in the option market and for the first time in months, this market was on a competitive basis with the Mississippi Valley. Several small lots of 41 percent sacked sold at $62 per ton, Alabama and South Carolina. Fertilizer trade covered most of the requirements in peanut and soybean meals, when they were selling from $5 to $10 per ton below cottonseed meal, and no great movement was expected for the latter in the Spring. To date the 75,000 tons of oilmeal licensed for export has had little or no effect on the markets. Meal, 41 percent, sacked was offered at $62 per ton, Memphis, by resellers.

Linseed Meal—Market continued easy with other proteins. Meal quoted nominally at $75 per ton, f.o.b. Edgewater, N. J.

Minneapolis.—Demand was fair and mills were holding meal firm at $81 per ton. Resale offerings, which depressed the market last week, were pretty well cleared up by export allocations of protein feed.

Shipments of linseed meal, in pounds, were as follows:—

	1946-47	1945-46
This week	4,620,000	7,080,000
Since Sept. 1	173,970,000	214,100,000

Peanut Meal—Several small lots were sold for export at $62 to $62.50 per ton, in 10-ounce bags, f.o.b. Georgia-Alabama for February shipment. Crushers were well sold up for February and early March shipment. Plentiful tonnage was available for April-June at $60 per ton, f.o.b. mills, in the Southeast.

Soybean Meal—Some 15,000 tons were reported sold for export at $66.50 per ton, f.a.s. New Orleans last week. Sales also were made at $61.40 per ton, f.o.b. Decatur for export in February and early March. Domestic demand continued quiet. Resale material was sold at $55 per ton, bulk, Decatur, March-April shipment.

Waxes

Beeswax—Market remains steady, in sympathy with high cost of replacements and light supplies on spot. Prices were unchanged and maintained at former levels.

Candelilla—Small lot trading was transacted at current levels. Market was quiet with supplies adequate to meet demand.

Carnauba—Offers of liberal stocks on the spot and slow demand further weakened the market and prices were sharply reduced for all grades, except yellow, which was slightly off. Buying interest for spot delivery and for shipment from Brazil was conspicuous in its absence and the tone was easy. While Brazilian shippers were not offering, bids were requested, with consumers showing no interest in the market. Chalky, No. 3, was offered at $1.40 to $1.42, N. C.; No. 2, $1.45 to $1.47, N. C.; No. 3, $1.40 to $1.42; refined, $1.47 to $1.50; yellow, No. 1, $1.78 to $1.80, and No. 2, $1.76 to $1.78 per pound, on the spot.

Japan—Demand was quiet and supplies for spot delivery were unchanged and ranged from 43c. to 50c. per pound as to quantity and seller.

Ouricury—This market was easier with carnauba and prices were lower. Crude was quoted at 75c. to 78c. per pound, and refined at 83c. to 85c. per pound on the spot, as to quantity.

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Petroleum Derivatives

Little variation over the previous week's petroleum derivative market was noted as most materials retained their suitable supply positions with but the petrolatum and wax section of the market encountering major difficulty in obtaining sufficient stocks for consumption. Interest in practically all sections of the country for the majority of materials was described as keen with the exception of the residual fuel oil market. Call for gasoline suffered no decline and short stocks were reported in some sections of the nation. Both kerosene and gasoline stocks were reported to be sought by Canadian buyers, but actual purchase and shipments were held up due to the tight supply situation.

Price changes were limited to the residual fuel oil and light heating oil sections of the market where it was reported that most producers have followed the previous week's 10c. per barrel advance for No. 6 residual fuel oil. Kerosene was also stated to be slightly higher. The sagging light fuel oil market was strengthened by the recent extensive cold wave with retail demand reported to have increased to an appreciable extent and a firm market was predicted if the cold wave lingered for a slightly longer period.

Discovery of additional oil reserves during 1946 increased the original estimate to 2,192,749,000 barrels, which was considerably larger than the record 1946 production of 1,731,889,000 barrels.

Market Trends

Prices Advanced

None

Prices Reduced

Fuel oil, No. 2, ½c. per gal.

(For Current Prices see Page 9)

Solvents and Diluents

Aromatic Solvents—Prompt deliveries on the majority of derivatives dominated this market last week when it was reported that substantial amounts of materials were diverted into consumer channels. Buyer interest continued at a high rate and supplies were declared to be available in adequate amounts. Prices which have remained firm for many weeks were not affected by price changes during the period under review.

Cleaner's Naphtha—Very little variation over the previous week's market was noted last week as trading reverted back to routine. Adequate supplies made it possible to maintain shipments on a prompt basis for both spot and contract orders. Although the market eased slightly, there were no price changes reported.

Lacquer Diluent—This derivative was in good demand last week as buyer interest remained undiminished. Movement was maintained at a fair pace as supplies became more available and were quickly shipped to satisfy both contract and spot demands. Quotations continued firm with no changes reported.

Rubber Solvent—Demand for this derivative which reached a high level many weeks ago continued unabated last week and was expected in trade circles to continue for some time to come. Supplies were generally in an adequate position in most sections of the country with shipments being well maintained. No price changes were reported during the period under review.

V. M. & P. Naphtha—Showing no tendency to decline either in demand or supply, this market was in a healthy state last week with activity at a high level. Excellent buyer interest was met by ample supplies. Price quotations continued firm at previous levels.

Markets at Other Centers

Chicago.—Trade in these products was fairly good, and the tone of the market as a whole was seemingly rather steady.

Aromatic Solvents — Interest good, market firm.

Cleaners' Naphtha — Business fair, steady prices.

Lacquer Diluent — Buying modest, stable quotations.

Mineral Spirit—Call good, no price change.

Rubber Solvent — Orders moderate, without market change.

Stoddard Solvent — Buyers take material, quotations firm.

V. M. & P. Naphtha—Business good, prices holding.

Los Angeles.—Buying interest in all solvents and diluents continued to run high. Liberal offerings, except for rubber solvent, made the market active.

Lighter Fractions

Butane—No decided change in this market was noted last week with consumers interested in this commodity to an appreciable extent. Demand showed a slight tendency to increase and was fortunately met with a somewhat improved supply situation. Shipments against previous orders as well as recently placed orders were maintained to a fair extent with but a slight backlog existing. No changes in price were reported.

Heptane—Similar to other materials in this section of the market, good buyer interest created an active market that was fortunate in having adequate supplies to care for both spot and contract demand. Volume of trading was reported as high with prices retaining their former firm tone.

Hexane—Buyer interest and demand were reported as fair in most sections with stocks reported to be on hand to meet the moderate call. Price quotations were firm and unchanged.

Octane—Both the demand for this material and the available supply continued their upward trend last week as consumer interest evidenced a decided improvement. The market continued to become firmer and prices showed no tendency to change.

Pentanes—This section of the market was regarded as dull in the face of reduced demand and buyer interest. Movement of materials was slow with the majority of activity confined to contract orders. Supplies were stated to be plentiful and capable of meeting increased demand should the market suddenly become active. Prices remained firm and unchanged.

Propane—Adequate supplies were on hand to insure prompt movement of supplies to large industrial fuel users who were creating the largest amount of activity in the market. This heavy demand contributed to the firm condition of the market. Strong price quotations were not affected by changes last week.

Markets at Other Centers

Chicago.—Material moved well, and the products in general were subject to a fairly good interest on the part of buyers.

Butane—Call good, no market change.

Heptane — Buyers interested, firm prices.

Hexane—Buying active, without quotation change.

Octanes—Takings fair. Prices firm.

Pentanes — Interest good, unchanged market.

Propane—Call moderate, no quotation change.

Petrolatums and Waxes

Microcrystalline Waxes—Deliveries against previously placed orders was better maintained last week although the general supply situation showed little sign of improvement. Continued good buyer interest was unretarded in spite of scarce supplies. The firm market condition afforded little opportunity for any price changes.

Petrolatums—Demand for the various grades of this material was at a high level but consumers were faced with the difficulty of not being able to secure stocks in the amounts necessary to promote an increased volume of business. The price structure remained firm with no changes reported.

White Mineral Oils—Similar to the other commodities in this section of the market, inadequate supplies curtailed the amount of trading accomplished last week. Demand for these materials was maintained at a high rate, but shipments were generally being diverted to care for orders previously placed rather than for future demands. Prices remained firm at previous levels.

Crude Oil Stocks

Stocks of domestic and foreign crude petroleum at the close of the week ended February 1 totaled 223,737,000 barrels, according to the Bureau of Mines. Compared with the total of 221,655,000 barrels for the preceding week, this represents an increase of 2,082,000 barrels, comprising an increase of 380,000 barrels in stocks of foreign crude. Heavy crude-oil stocks in California, not included in the gasoline-bearing stocks, totaled 5,541,000 barrels, an increase of 103,000 barrels.

For Late Market Developments, See Page 4

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This super-refined solvent is recommended for odorless paints, home dry cleaners, cleaning metal parts, DDT residual sprays and other applications where a high flash, odorless solvent is desired.
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- 1 RB expeller with 20 HP motor.
- 1 32" Monel basket suspended type extractor with 7½ HP, 3/60/220-440, 900 RPM motor with bottom unloader.
- 2 Tolhurst 40" suspended type centrifugal extractors, steel basket; one with 10 HP motor; one with 7½ HP motor.
- 1 Sharples centrifuge, No. 6, with 3 HP, explosion-proof motor.

AUTOCLAVES
- 1 Impregnator, fumigator or pressure tunnel, 7' x 7' x 50' with rails, vacuum pump and accessories.
- 1 Vertical, 42" x 24'4", forge welded steel, 600 lbs. pressure.

COLLOID MILLS
- Premier, Charlotte, Eppenbach, Chemi-Colloid, many others.

STILLS
- 4 Distillation or fractionating columns, copper or steel, 18" to 62" diameter.

DRYERS
- 2 Black and Clawson double drum dryers, 30" x 60" with accessories.
- 3 Single drum dryers, or flakers, 4' x 9', 4' x 12', and 3' x 6' with accessories.

EVAPORATORS
- 1 Blaw Knox triple effect evaporators, horizontal type, 6' x 9', all steel.

FILLERS FOR DRY POWDERS
- Stokes, Stokes and Smith, National Packaging, Triangle, Edtbauer, J. H. Day, Howes, Sprout-Waldron, etc.

FILTER PRESSES
- Johnson, Sperry, Shriver, etc., cast iron plate and frame, wood, aluminum, open and closed delivery.

KETTLES
- New Stainless kettles, all sizes; prompt shipment.

MILLS
- 6 Mikro pulverizers, Bantams, No. 1 and No. 2.
- 25 Fitzpatrick, stainless, model "D" comminuting machines.
- 8 Raymond mills, Nos. "00," "000," 45, 1, others.

MIXERS
- Prompt shipment all sizes ribbon type, horizontal, all steel mixers.
- 3 W & P, 100 gallon, double arm, jacketed.

PRESSES
- 2 Dunning & Boschert, 1,200 ton, curb presses, 28" ram, 28" stroke, steam platen.
- Other presses, 400 to 5,000 ton Bethlehem, H.P.M., Southwark, Birdsboro, and other standard makes.

PUMPS
- All types of pumps; for prompt shipment, state requirements.

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- 35 Stokes and Colton tableting presses, single punch and rotary presses.

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- 26—Aluminum Jack. KETTLES, 30-gal. cap.
- 8—Stainless, Jack. KETTLES, 30-gal. cap.

TABLET MACHINES
- 2—Stokes RD-4 Rotary 16 punch, maximum 1" dia.
- 4—Stokes "B" single punch, maximum 2-¼" dia.
- 4—Stokes "F" single punch, maximum ¾" dia.
- 1—Stokes "N" single punch, maximum ½" dia.

DRYERS
- 3—5' x 33' J. D. Devine Rotary Vacuum Dryers.
- 2—Buffalo 32" x 90" Atmospheric DOUBLE DRUM DRYERS, M.D.
- 2—Buffalo 42" x 90" Atmospheric DOUBLE DRUM DRYERS, M.D.
- 2—Buffalo 32" x 72" Atmospheric DOUBLE DRUM DRYERS, M.D.
- 2—A. N. 4' dia. x 9' long atmospheric double drum dryers complete.
- 1—B. & C. 28" dia. x 60" face Atmospheric DOUBLE DRUM DRYER complete.
- 2—Direct heat ROTARY DRYERS; 5'x30', 6'x35'.
- 1—6'x35' Louisville Direct Heat single shell Rotary Dryer.
- 1—4'x20' Ruggles-Coles Indirect Heat Rotary Dryer.
- 2—4'x20' and 4'x26' ROTARY KILNS or ROTARY DRYERS, Ruggles-Coles, geared-head, motor drive.

VACUUM PUMPS
- 3—DRY VACUUM PUMPS, Ingersoll-Rand, 1048 CFM, each 17"x 10", Duplex, with belt idlers for short drive.

VACUUM FILLING LINE
- 1—K. K. 8 stem Rotary Vacuum FILLER.
- 1—K. K. 20' steel CONVEYOR BELT, 4" wide.
- 1—CAPEM sgl. head CAPPER with automatic CAP FEED.
- 1—WEEKS automatic straight line LABELLER.

HYDRAULIC PUMPS
Aldridge Pump Co. Vertical Triplex HYDRAULIC PUMPS, 2¾"x8", equipped with Herringbone Gears, 67.5 gpm. Maximum pressure for intermittent duty 2,200 lbs., for continuous duty 1,800 lbs. Pump and motor mounted on common bed plate.
Motors are 75 HP, 3/60/220-440 volts, 1740 RPM. Complete with starting panel, consisting of G. E. motorstarter switch, push button control, square "D" Switch, and capacitator.
Purchased new 3½ years ago. Excellent condition. Available for immediate delivery.

- 1—Stokes No. 2 gear type TUBE FILLER.
- 1—Colton No. 2 worm type TUBE FILLER.
- 1—Stokes TUBE CLOSER & CLIPPER.
- 2—Colton No. 3 TUBE CLOSER and CLIP FASTENER.

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12—OLIVER ROTARY CONTINUOUS VACUUM FILTERS, 11'6" dia. x 18' face, each 640 sq. ft. filtering area. Complete.

4—VACUUM PUMPS, Chicago Pneumatic, duplex, 36"x36"x13", each with direct connected 250 HP 3/60/440, 225 RPM synchronous motor with exciter, starting equipment, etc. 6760 CFM at 22".

3—American Rotary Continuous VACUUM FILTERS, 12'6" dia. x 23' long, 10 discs, approx. 2,000 sq. ft. filtering area each. Now equipped with steel leaves. Wood leaves can also be furnished.

3—Ingersoll-Rand Dry VACUUM PUMPS, 31" x 13" Type ES. 2830 CFM, with V-belt drives.

14—Industrial UNIT HEATERS, each 645,000 BTU per hour. With motors, fans, etc.

2—No. 30-NF ALL STEEL HAMMER MILLS, made by Williams Crusher & Pulverizer Co., St. Louis. Manganese liners and grate bar discharge. 17"x30" feed opening—100 H.P. required. Weight, each, 9,600 lbs.

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1—6' x 50' Louisville DIRECT HEAT ROTARY DRYER with combustion chamber, exhauster, Buffalo air washer for dust elimination.

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5—COAL PULVERIZERS type E-35, made by Babcock & Wilcox Co. Complete with exhausters and 100 HP 3/60/440 volt motors, full starting and control equipment.

8—TWO-ROLL SAW TOOTH CRUSHERS, No. 10-EC, made by Sprout Waldron & Co., Muncy, Pa. 8/15 H.P. required —16"x16" feed opening.

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MISCELLANEOUS
- 1—6'x6' OLIVER FILTER UNIT, complete.
- 1—Gedge Gray 600-lb. DRY POWDER SIFTER AND MIXER.
- 2—J. H. Day, Size D, 600-lb. DRY POWDER MIXERS, M.D.
- 2—450 gal. copper steam jacketed KETTLES.
- 1—ROTEX SCREEN, 40"x84".
- 1—W. P. MIXER, jacketed, 100-gal. sigma blades.
- 1—York 500 GPM HOMOGENIZER, bronze fitted, with 15 H.P. A.C. motor.
- 1—250 gal. Copper jack. agit. closed KETTLE OR VAC. STILL.
- 10—Copper & Aluminum KETTLES to 500 gal. cap.
- 2—Copper steam jacketed agitated KETTLES, 1—54" dia. x 42" deep, 300 gals.; 1—36" dia. x 31" deep, 70 gals.
- 1—J. H. Day auger POWDER FILLER. 2—Stokes No. 15.
- 2—Colton No. 3 TOGGLE Globule PRESSES, for making capsules.
- 4—250 gal. closed GLASS-LINED TANKS.
- 1—Pneumatic Scale six head CAPPING MACHINE.
- Approximately 300 feet of STEEL BALL BEARING ROLLER CONVEYOR, from 17 to 32" widths.

FILTER PRESSES
- 1—Johnson 24" x 24" cast iron FILTER PRESS, 24 chambers.
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- 29—Steam Jack. KETTLES, 20, 25, 30, 50, 60 and 80 gal.
- 24—Closed STORAGE TANKS, rectangular shaped, 73"x34"x60", 700 gal. capacity.
- 24—Closed STORAGE TANKS, rectangular shaped, 56"x46"x72", 800 gal. capacity.
- 2—Closed Jack. agitated Kettles with coils; 1—1,200 gal., 1—900 gal.
- 1—1,200 gal. closed jack. Kettle or Vacuum Still.
- 8—Closed jack. agitated Kettles or Vacuum Stills.
- 1—850 gal. closed jack. agit. Kettle.
- 9—250 GAL. NEW CLOSED HORIZONTAL STORAGE TANKS, OVAL SHAPED, APPROX. 46" AND 28" BY 61" LONG, 18" ROUND MANHOLE IN TOP. ¼" PLATE.

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5—Rotary Dryers, 6'x18', 6'x60', 7'x51', 10'x90'.

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10—Aluminum Kettles, 40, 60, 80, 100 gals.
4—Stainless Steel Kettles, 80 gals.
1—Pneumatic Scale, 8 Spout Bottle Filler with Single Head Automatic Capper.
2—32" C.I. Plate & Frame Filter Presses, 36 Chambers.
4—36" C.I. Plate & Frame Filter Presses, 44 Chambers.
6—30"x30" C.I. Recessed Filter Presses, 36 Chambers.
1—No. 4 Nash Pump, 60 H.P. motor.
1—Lehman 4 Roll High Speed Mill, 18"x32".
1—Fletcher 30" Suspended, Solid Basket, Centrifugal, 1,200 RPM.
1—Buflovak 6' dia. Vacuum Crystallizer.
1—No. 10 Sweetland Filter.
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10—1,000 and 2,000-lb. Powder Mixers, NEW.
6—Baker Perkins and Readco 100 gal. Jacketed Mixers.
7—Duriron & Lead Centrifugal Pumps, 1" to 3".
4—Sharples No. 16 Stainless Steel Centrifuges.
2—Mikro No. 1SI Pulverizers.

2—Lehman 5 Roll Roller Mills, 20"x48".
1—100 gal. Pebble Mill.
1—Abbe ½ gal. 10 Jar Mill, Motor Driven.
1—Schutz O'Neil 16" Ball Bearing Style "D" Limited Mill.
1—Hardinge Ball Mill, 2'x8".
1—Day 18" Ointment Mill.
3—Abbe Bluteress Sifters.
3—Rotex Sifters, 20"x48", 40"x84".

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2—Vailer Filters, Lab.
2—American 4' 4 Disc and 6' 2 Disc Rotary Continuous Filters.
6—Oliver 8'x6' Rotary Hopper Dewaterers, New.
2—Oliver Filters, 8'x12'.
6—Shriver, Sperry Filter Presses, 12", 18", 24", 30", 32", 36".
5—Shriver Wood Filter Press Skeletons, 18" to 42".

4—Sharples No. 6 Centrifuges.
2—De Laval No. 600, 700 Clarifiers.
3—ATM 40" Centrifugal, direct Motor driven, perforated basket, 1,200 RPM.
5—Tolhurst 32", 40", 48" Self-Balancing Type Centrifugals.
1—Fletcher Centrifugal, 30" Suspended type, solid basket, 1,200 RPM.
2—Tolhurst 32" Suspended, centrifugals, Monel steel perf. basket.

11—Stainless Steel Jacketed Kettles, 60, 80, 100, 150, 300 gal. New.
10—Brand New Stainless Steel Tanks, 100 to 1,500 gal.
6—Pfaudler Jktd.. Agtd. Kettles, 100, 125, 200 gal.
10—Copper Jktd. Kettles, 25 to 150 gal., some agitated.
8—Steel Jktd. Kettles, 375 to 1,200 gal., some agitated.
1—60 gal. Cast Semi-Steel Autoclave, agitated, 3" wall.
1—Zaremba Copper Evaporator, 500 sq. ft. vert. tubes.
5—Copper and Steel Vacuum Pans, 2', 4', 6', 7'.
5—Evaporators, single to quadruple effect, 500 to 10,000 sq. ft.

TABLET MACHINES

6—Stokes "T," 1¼".
2—Stokes "R," 2½".
1—Stokes Rotary DD82, 1 7/16".
10—Stokes Rotary D4, 81/32".
2—Kux, 2½" to 4".
3—Colton Rotary, ¾".
1—Mulford Single Punch, 1¼".
6—Stokes "F," ¾".
5—Colton Single Punch, ⅝".

All the above practically new, ready for prompt shipment.

1—Day No. 10 Imperial Double Arm Jacketed Mixer.
5—Day, W. & P. Readco Double Arm Mixers, ½ to 100 gal.
1—Readco 4 gal. Stainless Steel, Double-Arm Mixer.
1—Robinson 4,000 lb. Powder Mixer.

3—Stokes and Smith auger type powder fillers.
2—Knapp Automatic Can Labelers.
1—Filler Machine, 4 Spout Filler.
1—Karl Kiefer Visco Piston Type Filler, motor driven.
5—World, National Labelers.
10—12" Belt Conveyors, 20 to 50' centers, built to specifications.
1—Schaeffer Poidometer, 20"x4'.
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2—Pfaudler Stainless Steel Tanks, 13,500 gal.

1—Dopp Kettle, 300 gal., double motion agitator.
1—Stokes Kettle, Jacketed, 5' x 6'.
1—Edge Moor Jacketed Kettle, 3' x 8" x 3' 6".
1—Struthers Wells, Jacketed Kettle, 23¼" x 32".
1—Hardinge, Silex-lined, Ball Mill, 8' x 30".
1—Hardinge, Steel Lined, Ball Mill, 5' x 22".
2—Louisville Rotary Steam Tube Dryers, 6' x 50'.
1—Baker Perkins, Stainless Steel, Jacketed Mixer, Sigma Blades, 50 gallon.
2—Readco, Heavy Duty, Jacketed Mixers, 100 gallons.
11—Sharples Super Pressurite Centrifuges, 3 HP Explosion-Proof Motors.

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10—Sperry 32" Iron Filter Presses.
14—Tolhurst 40" Suspended Type Centrifugals, Motor Driven, Bottom Discharge.

2—Stokes RD4 Rotary Tablet Machines, 16 die openings 1 3/16" dia.
11—Sharples No. 5A Stainless Oil Purifiers, latest type, 2 H.P., Motor Driven.
1—Chrystle 80'x45' Rotary Dryer
3—Oliver Rotary Vac. Filters, 8'x 10' and 5'x6'.
2—Dorr 15' Bowl Classifiers.
1—Hardinge 3'x8' Conical Ball Mill.
75—36" x 36" Cast Iron Filter Press Plates and Frames.
1—Stokes No. 149 B High Vacuum Pump.
1—Gayco 3' Centrif. Air Separator.
1—Sturtevant 36" Rock Emery Mill.
1—W. & P. 9 gal. Double Arm Mixer, 2 H.P. Motor.
1—Sharples No. 6 Centrifuge.
1—Day Rotex Sifter, 20" x 48".
4—Pfaudler Glass lined, jacketed, agitated Kettles, 350 & 400 gals.
10—Stainless steel, jacketed Kettles, new & used, 40, 60, 80 & 375 gals., some agitated.
4—Aluminum jack. Kettles, 60, 80 & 100 gals.
18—Copper jack. Kettles, 2, 20, 50, 75, 100, 250 & 350 gals., some agitated.
1—Stokes ½" Eureka Tablet Machine.
1—Hammer Mill, 7½ H.P.
1—Williams No. 3 "Regular" type Hammer Mill.
1—Stedman 32" Single Roll Crusher.
1—Jeffrey No. 4 Single Deck Conveyor Screen.
25—New Stainless Steel Tanks, 100 to 1,000 gals.
2—6 spt. gravity Bottle Fillers.
New Water Stills, Gas and Elec.
New 40 gal. Pony Mixers.
4—Day Pot Mills, 24"x32" dia.
12—Filter Presses, Iron, Wood and Rubber, 18" to 42" sq.
4—Centrifugals, 20", 26" & 40".
4—No. 0000 and No. 0 Raymond Mills.
10—Closed steel Vac. Kettles & Stills, up to 1,000 gals.
12—Vert. jack. agit. Kettles & Autoclaves to 1,500 gals.
2—250 & 1,500 gal. lead lined Kettles.
1—700 gal. steel, copper lined vac. Filter Tank.
1—Dopp 50 gal. jacketed Kettle.
15—50 gal. steel Mixing Tanks.
1—Blystone 2,000 lb. horiz. Spiral & Paddles Steel Mixer.
6—Horiz. Mixers, 20 to 250 gal., single & double arm.
1—Faust 150 gal. Spiral Mixer.
2—Devine Horiz. Vac. Pumps, 8"x 6"x4"x6".
2—Worthington 12"x12"x12" Vac. Pumps.
1—National Acme Model C20 stainless steel Centrifuge.
2—DeLaval Multiple Clarifiers, 300 & 301.
2—Rotary Screens, 18"x72".
6—Attrition Mills & Disc Grinders, up to 22".
1—Double Stand Steel 4-Roller Mill, 7"x20".
10—Iron Mills, 12", 14" & 18".
8—Stone Mills, 8" to 32".
6—Lead & Paste Mixers to 72 gals.
3—Varnish Kettles, 200 gals.
1—Shutz-O'Neill 20" Pulverizer.
2—Double Roll Crushers.
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Bids Wanted

—Continued from page 4

vitation 368, February 27; 474 gallons, invitation 330, February 20; **glyceryl phthalate,** 7,050 gallons, invitation 258, February 21.

Pyroxylin dope and thinner, 373,403 gallons, Army Air Corps (Dayton, Ohio), invitation 357, February 26.

Soap, laundry, 6,000 pounds; **paste,** 8,000 pounds, Treasury Department (Denver, Colorado), invitation D-8538, February 20; **powder,** 3,000 pounds, Veterans Administration (Lexington, Ky.), invitation 47-174, February 25; **toilet,** 300 cases, Treasury Department (Denver, Colorado), invitation D-8538, February 20; 13,135 pounds, Treasury Department (Fort Worth, Texas), invitation FW-1065, February 20.

Soda ash, 40 tons, Army Air Corps (Dayton, Ohio), invitation 236, February 20.

Titanium-barium, dry, 9,000 pounds, Panama Canal, Purchasing Officer (Washington, D. C.), schedule 8532, February 25.

Water treating compound, 50,800 pounds, Army Air Corps (Dayton, Ohio), invitation 358, March 4.

White lead, dry, 2,000 pounds; in oil, 2,000 pounds, Department of Justice (Englewood, Colo.), invitation 30-1541, February 26; 50,000 pounds, Panama Canal, Purchasing Officer (Washington, D. C.), schedule 8532, February 25.

Yeast, dry, active, 75,000 pounds, Army Quartermaster (Chicago, Ill.), invitation 65, February 20.

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2—Packomatic Powder Fillers and Sealers.
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5—Stokes auto. Plastic Molding Machines.
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Employers: for executive, purchasing, sales, production, research, development and control personnel in the chemical process industries call Chemical Department, Position Securing Bureau, Inc. (Agency), 45 John street, New York City. Telephone COrtlandt 7-9650. Confidential and careful placements.

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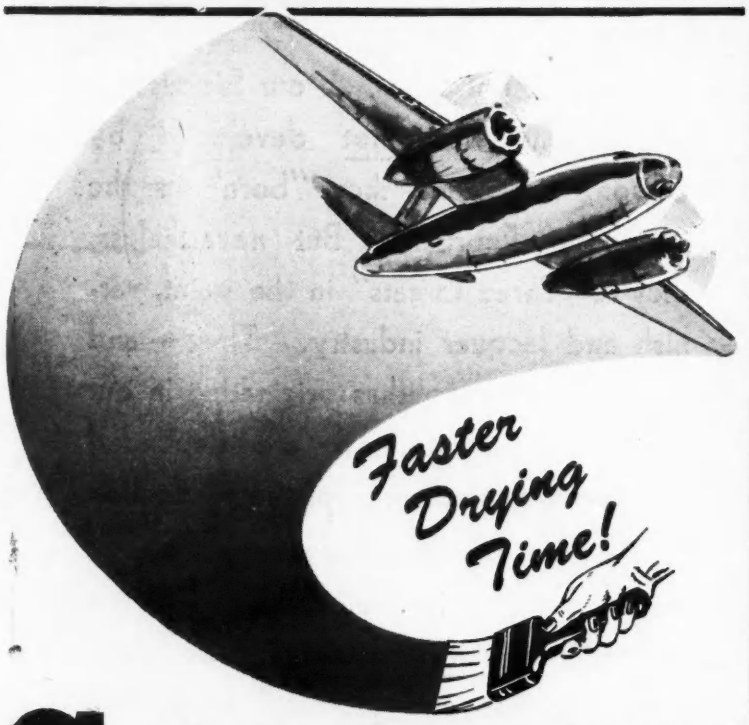

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